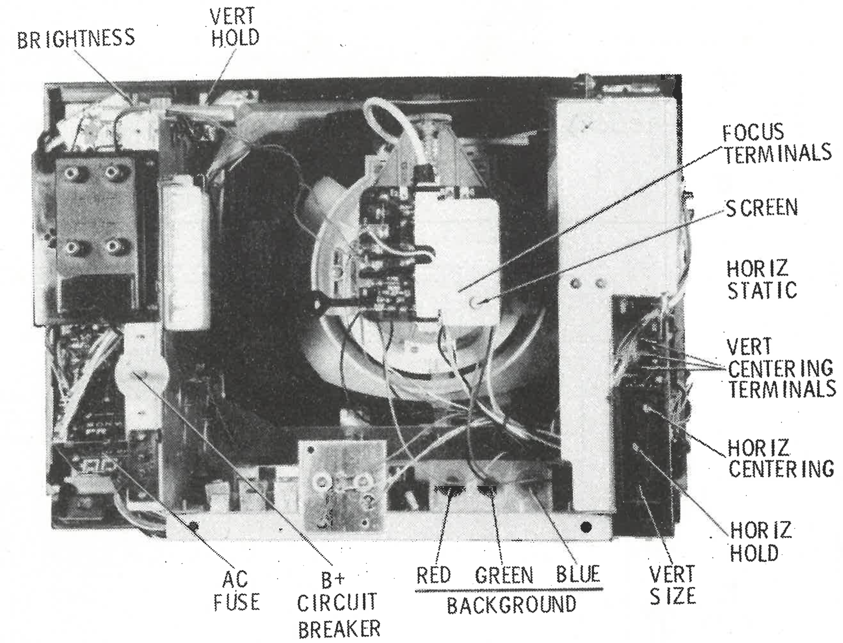


CABINET—REAR VIEW

DISASSEMBLY INSTRUCTIONS

CHASSIS REMOVAL

Remove all knobs and lay set face down on a soft protective surface. Remove five screws holding rear cover.

Disconnect picture-tube socket, HV anode lead and speaker. Remove convergence and yoke assemblies. Remove three screws holding tuner and controls to cabinet front; also remove four nuts holding degaussing shield.

Lift chassis from cabinet front. (Lamps are now accessible.)

PICTURE TUBE REMOVAL

Follow Chassis Removal procedure and lift tube from cabinet. Do not lift tube by the neck.

SERVICING IN THE FIELD

CRT IMPLOSION PROTECTION AND CLEANING

Implosion protection is an integral part of the picture tube, cleaning accomplished without CRT removal.

FUSE DEVICES

A circuit breaker is used for low-voltage power-supply protection. (See photo, Cabinet-Rear View.)

A 4-amp fuse is used for AC line protection. (See photo, Cabinet-Rear View.)

LAMP ACCESSIBILITY

Tuner assembly must be removed. See Disassembly Instructions.

VHF TUNER

The fine tuning mechanically engages oscillator slug for adjustment (one slug for each channel).

HORIZONTAL OSCILLATOR

Adjustment of the horizontal hold is accomplished by the proper setting of the Horizontal Frequency Control. (See Transistor Placement Chart.)

WIDTH

The width may be varied by adjusting the Horizontal Size Control. (See photo, Cabinet-Rear View.)

FOCUS

The focus may be varied by connecting the lead from pin F to points F1, F2, or F3. (See photo, Cabinet-Rear View.)

AGC

The AGC may be varied by Tuner AGC and IF AGC controls. (See Transistor Placement Chart.)

CENTERING

Horizontal centering is accomplished by proper adjustment of the horizontal centering control. (See photo, Cabinet-Rear View.)

Vertical centering is accomplished by connecting the vertical centering jumper to R564 or R565. (See photo, Cabinet-Rear View.)

PHOTOFACT® Folder with CIRCUITRACE

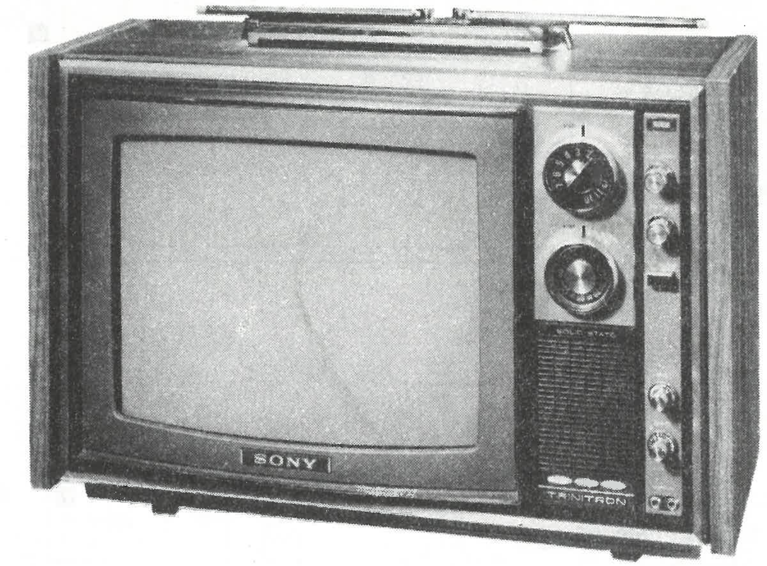
For Supplier Address See PHOTOFACT Index

SONY CHASSIS SCC-17A-C, SCC-17B-C

COLOR TV

MODEL	CHASSIS
KV-1201	SCC-17A-C *
KV-1212	SCC-17B-C *

* Serial 300,001 & Later



MODEL KV-1212

SAFETY PRECAUTIONS

Make sure line voltage does not exceed rating of set.

Check high-voltage regulation and adjust to correct value.

Be sure shields and rear cover are in place and secure.

Beware of shock from high voltage or AC line. Discharge high voltage to HV cage only.

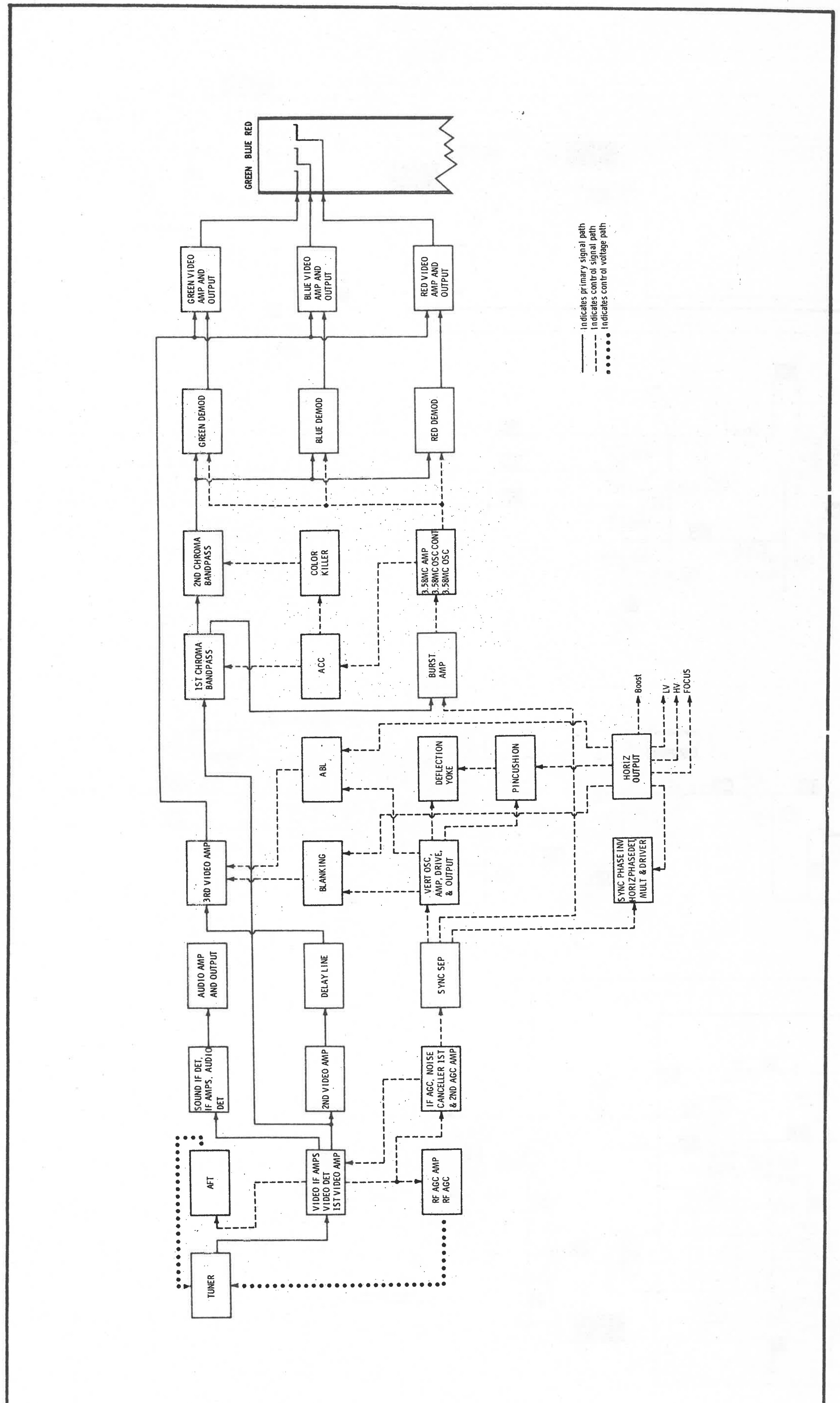
Use extreme care when handling picture tube. Do not bump, scratch, or exert undue strain.

INDEX

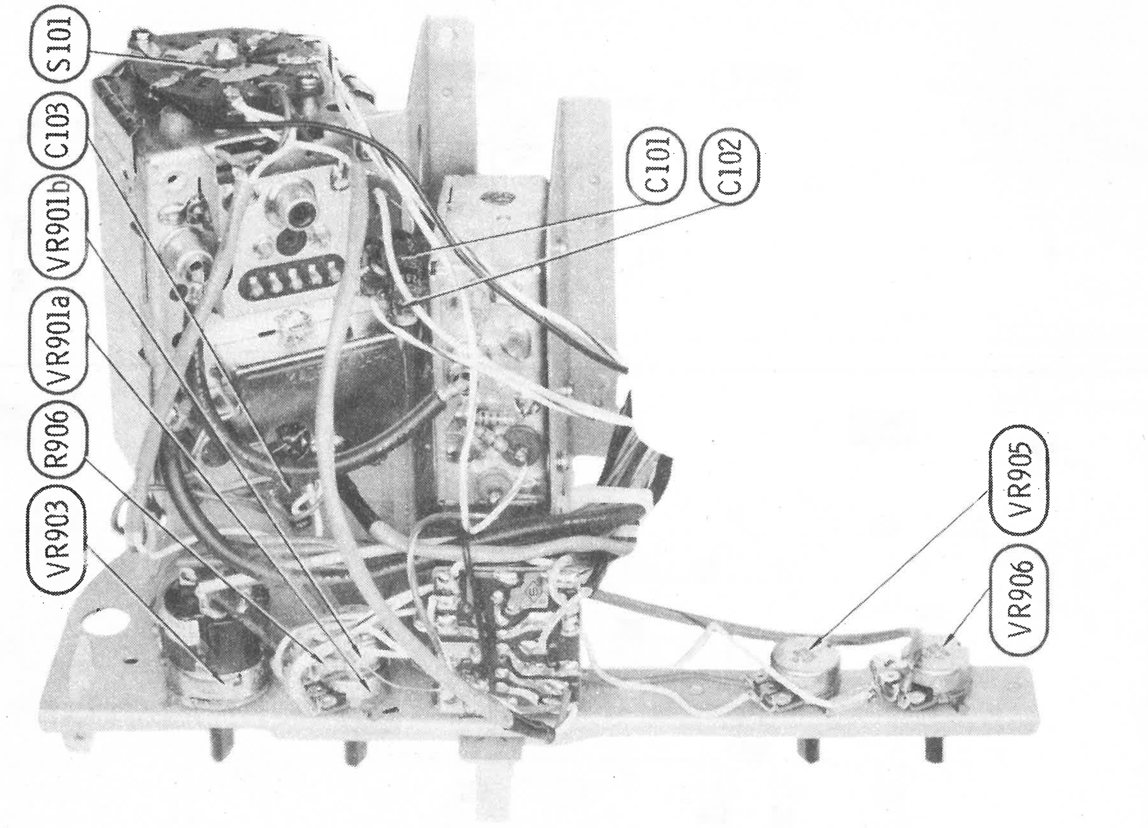
HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. 4PD933

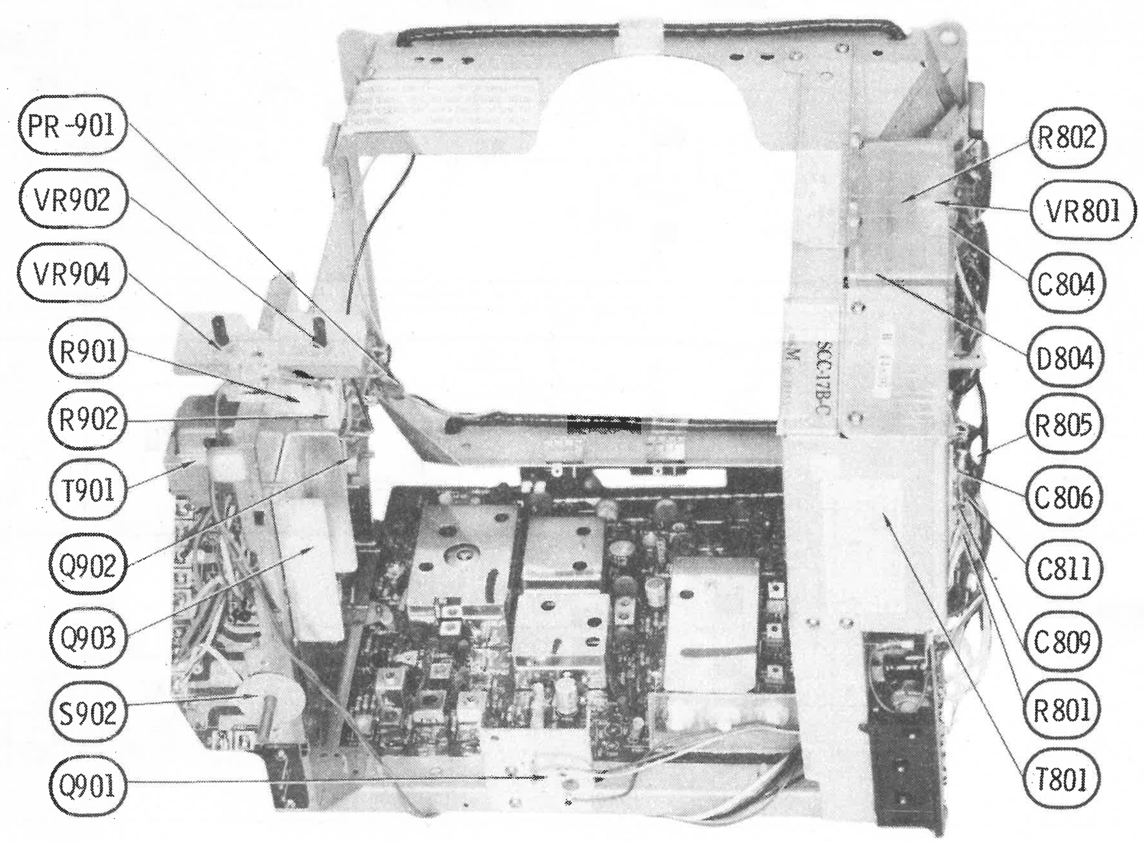
DATE 4-74 SET 1389 FOLDER 3



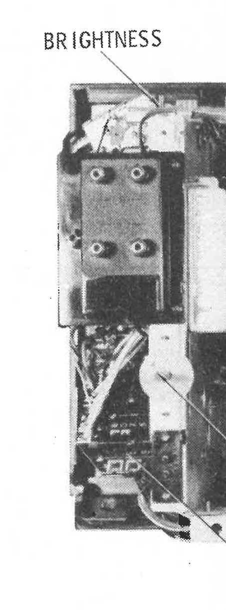
BLOCK DIAGRAM



TUNER ASSEMBLY



CHASSIS-REAR VIEW



D

CHASSIS REMOVAL

Remove all knobs and lay set face soft protective surface. Remove holding rear cover.

Disconnect picture-tube socket, H and speaker. Remove convergence semblies. Remove three screws ho

CRT IMPLOSION PROTECTION AND CLEA

Implosion protection is an integr picture tube, cleaning accomplish removal.

FUSE DEVICES

A circuit breaker is used for low power-supply protection. (See ph Rear View.)

A 4-amp fuse is used for AC line (See photo, Cabinet-Rear View.)

LAMP ACCESSIBILITY

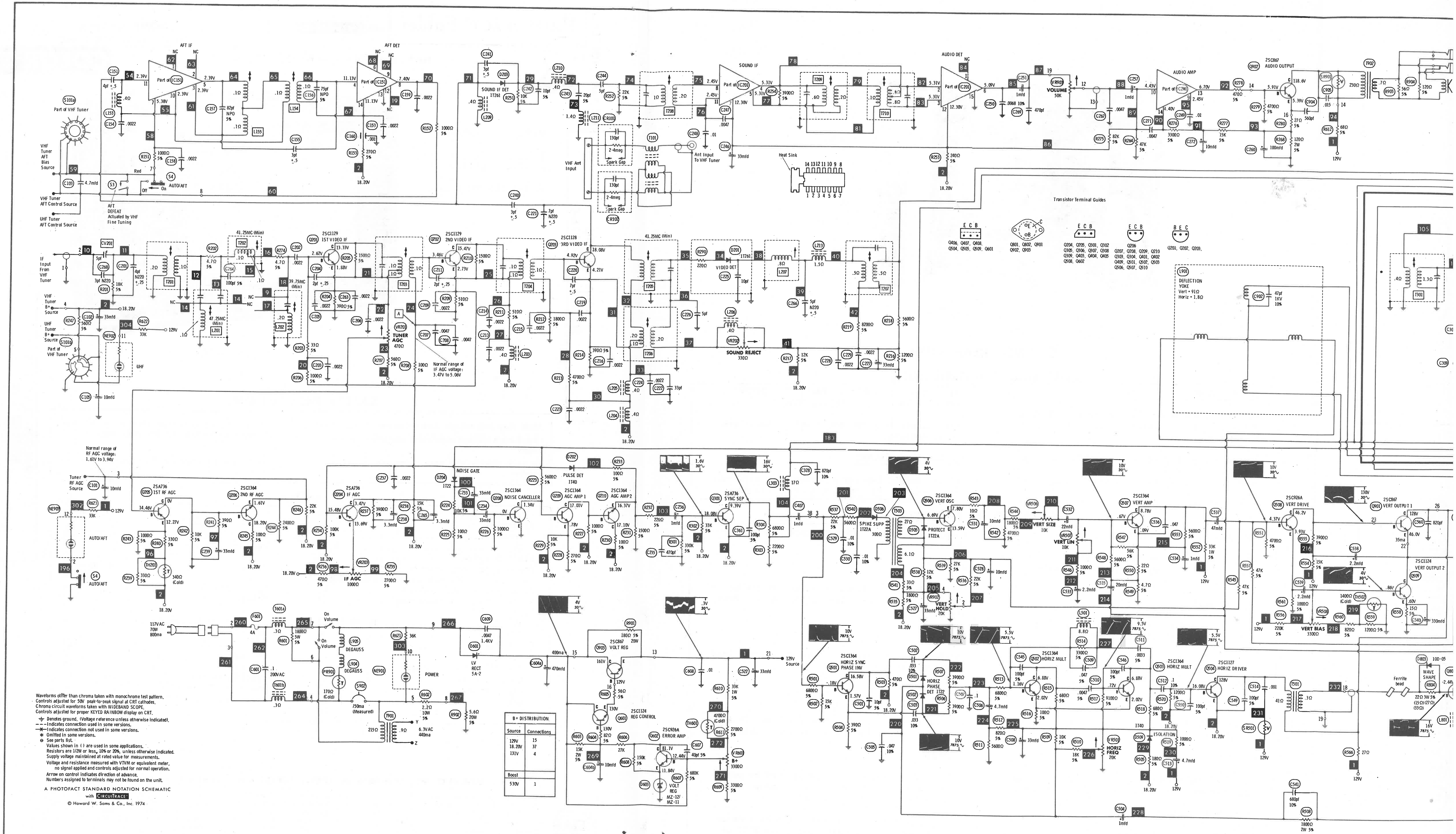
Tuner assembly must be removed. bly Instructions.

VHF TUNER

The fine tuning mechanically enga slug for adjustment (one slug for

HORIZONTAL OSCILLATOR

Adjustment of the horizontal hold plished by the proper setting of



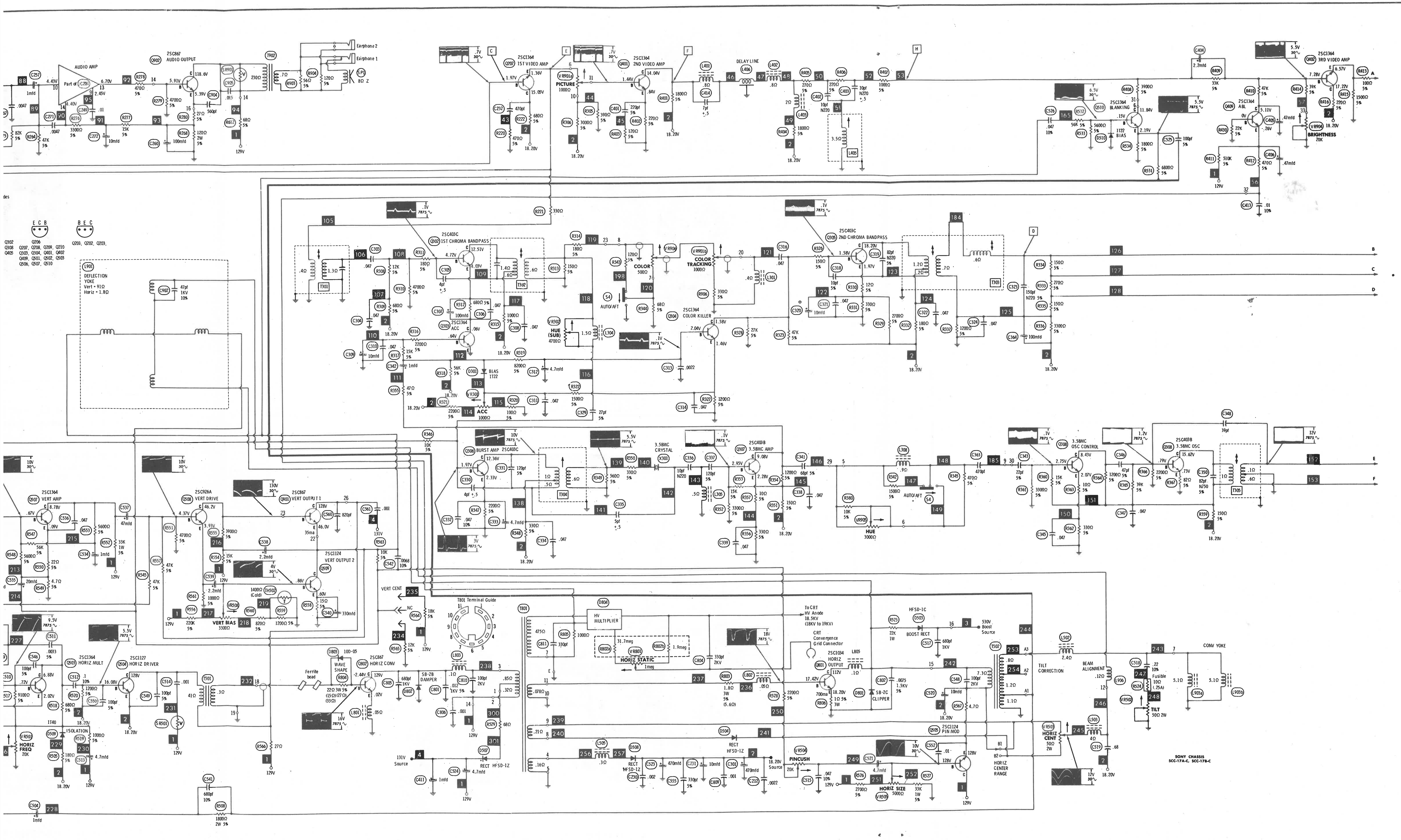
B+ DISTRIBUTION	
Source	Connections
129V	15
18.20V	37
131V	4
Boost	
530V	1

Waveforms other than chroma taken with monochrome test pattern.
Controls adjusted for 50V peak-to-peak signal at CRT cathodes.
Chroma circuit waveforms taken with WIDEBAND SCOPE.
Controls adjusted for proper KEYED RAINBOW display on CRT.

- ⏚ Denotes ground. (Voltage reference unless otherwise indicated).
- - - - Indicates connection used in some versions.
- —✕— Indicates connection not used in some versions.
- ✱ Omitted in some versions.
- ⊖ See parts list.

Values shown in ( ) are used in some applications.
Resistors are 1/2W or less, 10% or 20%, unless otherwise indicated.
Supply voltage maintained at rated value for measurements.
Voltage and resistance measured with VTVM or equivalent meter, no signal applied and controls adjusted for normal operation.
Arrow on control indicates direction of advance.
Numbers assigned to terminals may not be found on the unit.

A PHOTOFACT STANDARD NOTATION SCHEMATIC
with CIRCUITRACE



AUDIO AMP
2SC867 AUDIO OUTPUT
Earphone 2
Earphone 1
SP1 8Ω Z
2SC1364 1ST VIDEO AMP
PICTURE
2SC1364 2ND VIDEO AMP
DELAY LINE
2SC1364 BLANKING
2SC1364 ABL
2SC1364 3RD VIDEO AMP
BRIGHTNESS
DEFLECTION YOKE
Vert - 91Ω
Horiz - 1.8Ω
2SC403C 1ST CHROMA BANDPASS
2SC1364 ACC
ACC
COLOR
COLOR TRACKING
AUTO/AFT
HUE (SUB)
2SC1364 COLOR KILLER
2SC403C 2ND CHROMA BANDPASS
BURST AMP 2SC403C
3.58MC CRYSTAL
2SC403B 3.58MC AMP
HUE
3.58MC OSC CONTROL
2SC403B 3.58MC OSC
2SC1364 VERT AMP
2SC926A VERT DRIVE
2SC867 VERT OUTPUT 1
2SC1124 VERT OUTPUT 2
VERT BIAS
VERT CENT
T801 Terminal Guide
HV MULTIPLIER
HORIZ STATIC
To CRT HV Anode 18.5KV (18KV to 19KV)
CRT Convergence Grid Connector
HFSD-1C
BOOST RECT
530V Boost Source
2SC1364 HORIZ MULT
2SC1127 HORIZ DRIVER
WAVE SHAPE
2SC867 HORIZ CONV
Ferrite bead
SB-2B DAMPER
2SC1034 HORIZ OUTPUT
SB-2C CLIPPER
TILT CORRECTION
BEAM ALIGNMENT
TILT
CONV YOKE
HORIZ FREQ
ISOLATION
131V Source
RECT HFSD-1Z
PINCUSH
HORIZ SIZE
2SC1124 PIN MOD
HORIZ CENT
HORIZ CENTER RANGE
SONY CHASSIS SCC-17A-C, SCC-17B-C

MISCELLANEOUS ADJUSTMENTS

HORIZONTAL SWEEP CIRCUIT ADJUSTMENTS

Tune in a TV station and adjust all controls for normal operation. Adjust Horizontal Frequency control, VR501 for proper horizontal sync. Switch from channel to channel for a check of horizontal lockin.

Adjust Horizontal Centering, VR503 for proper centering. A jumper wire is provided (see schematic) for greater range of horizontal centering. Horizontal Size control, VR505 should be adjusted to obtain proper width. Focus jumper on T board should be connected to give best focus (see schematic.)

130 VOLT ADJUSTMENT

Tune in a TV station and adjust all controls for normal operation. Connect the DC probe of a VTVM to Terminal 11 on the power board (PR), common lead to ground. Adjust VR601 to obtain 130 volts at 120VAC input.

AGC ADJUSTMENTS

The Tuner AGC control, VR201 should be adjusted using a strong signal. Tune in strong local signal and adjust VR201 for maximum contrast and MINIMUM snow. Adjust IF AGC control, VR203 for maximum contrast and MINIMUM distortion (jitter, pulling, etc.). Repeat as needed.

COLOR OSCILLATOR TRANSFORMER ADJUSTMENT

Connect a keyed rainbow generator to the antenna terminals and tune in a rainbow pattern. Adjust T305 for a color-distortion-free picture. Retouch T305 for proper rainbow pattern with control set to center range position.

BURST AMP ADJUSTMENT

Connect a keyed rainbow generator to the antenna terminals and tune in a rainbow pattern. Connect the vertical lead of scope to secondary of T304, low side to ground. Adjust T304 for maximum burst.

COLOR AFC ADJUSTMENT

Connect a keyed rainbow generator to the antenna terminals and tune in a rainbow pattern. Turn hue control to center range position. Turn picture control to 3/4 range position. Push Auto/AFT to off position. Adjust the fine tuning knob to obtain best picture. Turn color and brightness control for normal viewing. Connect the vertical input of an oscilloscope to CRT Socket Board terminal B. Check waveform on schematic for pattern obtained using a keyed rainbow generator. Retouch hue control on front panel if necessary.

Note: Fixed components are used to adjust phase of red and green waveforms. Therefore, correct R-Y (CRT Socket Board terminal R) and G-Y (CRT Socket Board terminal G) should be proper if B-Y waveform is correct. If unable to obtain proper B-Y waveform retouch T304.

AUTOMATIC COLOR CONTROL ADJUSTMENT

Tune in a weak color signal or reduce the signal at the antenna terminals. Adjust ACC control, VR301 for color elimination. Turn ACC control back until best undistorted color pattern is obtained.

PURITY ADJUSTMENT

Connect a keyed rainbow generator to the antenna terminals. Tune in a purity pattern. If the picture appears to be magnetized, use a degaussing coil to demagnetize tube and mounting brackets. Switch generator to a dot pattern. Adjust Horizontal Static control (VR801) (H-STAT) for best convergence at center of the screen. Loosen the deflection yoke and move it rearward until it is against the coil assembly. Turn the red background and the blue background controls fully counterclockwise. Turn the green background control to fully clockwise position. Adjust the purity magnet (mounted at the rear of the deflection yoke) until a wide green vertical bar is centered on the screen. Move yoke forward until the screen appears to have a uniform green raster. Lock deflection yoke in place. Reduce the green background control perform gray scale adjustments.

GRAY SCALE ADJUSTMENT

Turn red, green, and blue background controls to center range position. Turn brightness and contrast (Picture) to MINIMUM. Adjust screen control VR701 (on CRT Socket Board) until raster just disappears. Advance background controls, one at a time, until a barely visible gray raster appears on screen. Adjust brightness and contrast (Picture) for normal viewing tune in a black and white picture or a color picture with the color control set at MINIMUM. Adjust contrast for normal viewing. Retouch red, blue and/or green drive controls to eliminate coloring in the bright areas of the picture.

DYNAMIC PINCUSHION ADJUSTMENT

The vertical linearity, the horizontal size, the horizontal centering and H. STAT adjustments should be completed before adjusting VR504 (PIN). Connect a crosshatch generator to the antenna terminals. Turn picture control fully counterclockwise position. Adjust VR504 for normal crosshatch pattern (straight vertical and horizontal lines). Readjust vertical and horizontal size controls.

BEAM LANDING ADJUSTMENTS

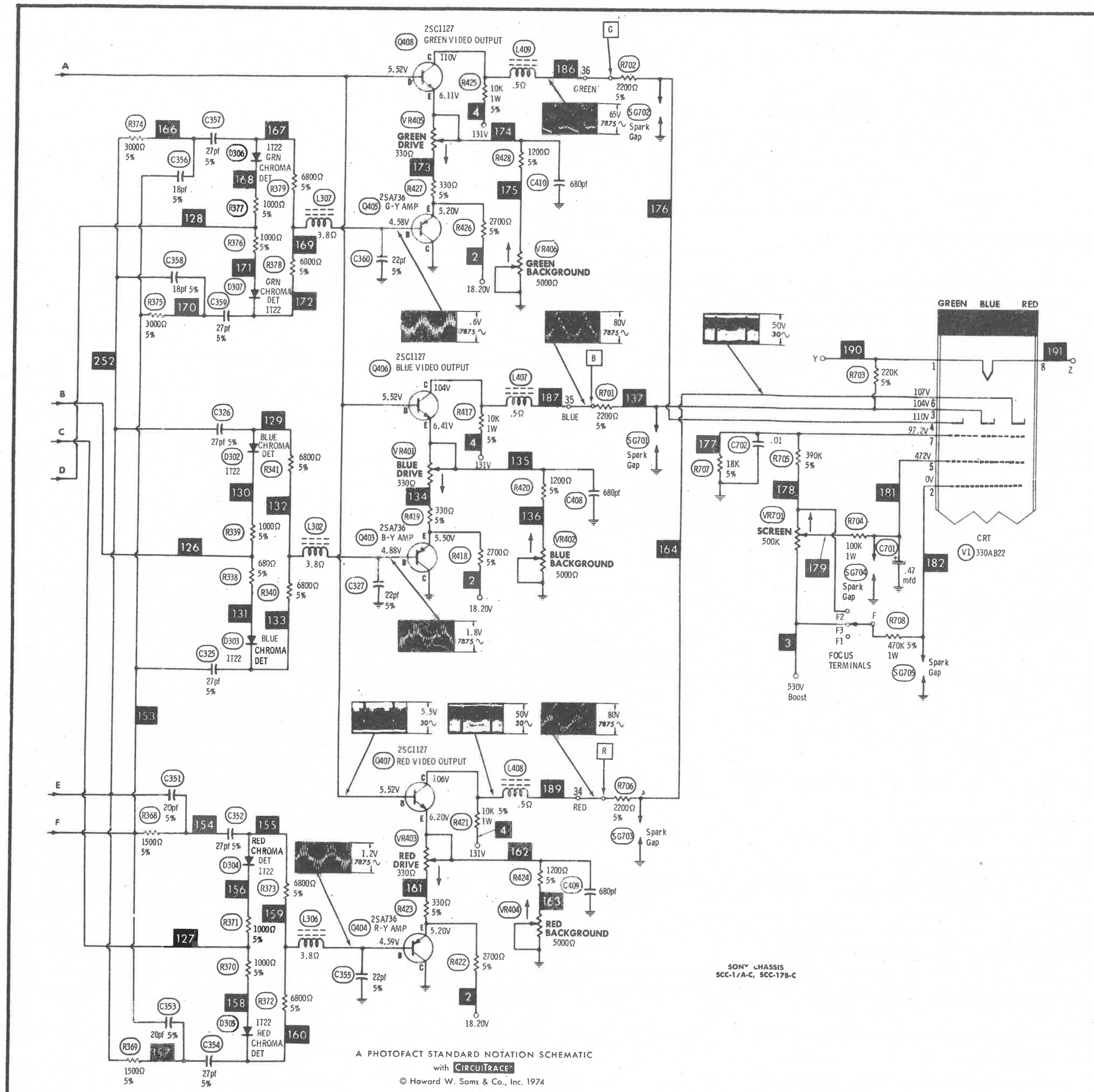
Beam landing adjustment tab or tabs located near the rear of the picture tube neck are used to obtain a correct beam landing at the center of the screen. Connect a keyed rainbow generator to the antenna terminals and tune in a dot pattern and set all controls for normal reception. Either one or two horshoe shaped sliding plastic assemblys containing small permanent magnets are used for center dot convergence. Adjust the tab or tabs to obtain a color free crosshatch pattern at the center of the screen. If necessary to obtain center dot convergence by adjusting horizontal static and or vertical static adjustments. Disc magnets taped to plastic yoke mounting bracket or to glass bell of the picture tube near the yoke mounting bracket are used to correct for beam landings in the extreme corners. These magnets are factory preset and should not need further adjustment. If necessary move magnets and resecure until satisfactory results are obtained.

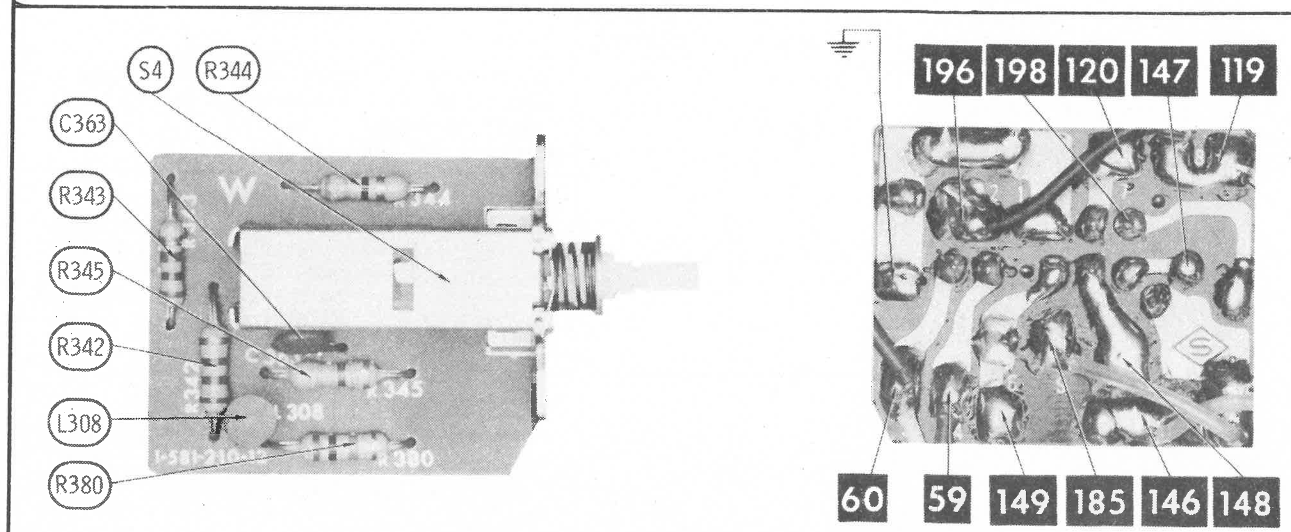
HORIZONTAL STATIC CONVERGENCE

Adjust horizontal static convergence for pure overall crosshatch pattern.

VERTICAL STATIC CONVERGENCE

Adjust vertical static convergence for pure overall crosshatch pattern.





AUTO/AFT SWITCH BOARD A Howard W. Sams CIRCUITRACE Photo

SONY CHASSIS SCC-17A-C, SCC-17B-C

FOLDER 3

TV ALIGNMENT INSTRUCTIONS

Use an isolation transformer, or observe polarity, and maintain line voltage at 120VAC.
Allow a 20-minute warm-up period for receiver and test equipment.

Suggested Alignment Tools:	GC ELECTRONICS
T201, T203, T204, T206, T207 thru T210, T301, T302, T303 (both cores), T304, T305, L207 and L405	9440
T202, T205, L201, L202, L154, L155 and Tuner IF Output Coil, T1	9296, 9297, 9300
CV201	8728

PRELIMINARY INSTRUCTIONS

Set the channel selector to the highest unused channel. Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the oscilloscope for horizontal deflection.
Use only enough generator output to provide a usable indication.
Note: Response may vary slightly from that shown.
Connect a 0 to 7 volt bias supply to IF AGC line (collector of Q204), low side to ground.
~~Adjust to obtain~~ a response which shows no overload. Connect a 2.2 volt bias supply to Tuner AGC line Point T on VHF tuner, low side to ground.

VIDEO IF ALIGNMENT

CONNECT SCOPE	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	REMARKS
Vertical input to Point C, low side to ground.	Thru .001mfd to Point U on VHF tuner, low side to ground.	44MC (10MC Sweep)	39.75MC 41.25MC 47.25MC	Adjust L202 for MINIMUM. Adjust T205, T202 and VR202 for MINIMUM. (VR202 produces slight distortion in left side until adjusted properly.) Adjust L201 for MINIMUM. See Fig. 1.
"	"	"	39.75MC 41.25MC 42.17MC 44.25MC 45.75MC 47.25MC	Adjust T206, T204 and T203 for maximum gain and symmetry of response similar to Fig. 2. Adjust CV201 and Tuner IF output coil for placement of the 42.17MC marker. Adjust T201 for flat response. Retouch As needed to obtain response with markers as shown. See Fig. 2.

4.5MC TRAP ALIGNMENT

Tune in a strong TV signal and set the contrast at maximum. Adjust the fine tuning until a beat pattern is visible on the screen. Adjust T207 for MINIMUM beat interference.

VIDEO DETECTOR COIL ADJUSTMENT

Adjust L207 for best picture detail and picture stability.

AFT ALIGNMENT

CONNECT SCOPE	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	REMARKS
Vertical input to R151 (unconnected end), low side to ground.	Thru .001mfd to Point U, on VHF tuner, low side to ground.	44MC (10MC Sweep)	45.75MC	Adjust L155 centering 45.75MC cros over. Adjust L154 for maximum gain and symmetry (equal "S" curve). See Fig. 5. Resolder red lead to R151. Tune in a local color broadcast station. Fine tune for best picture detail (Auto/AFT in Off position). Switch Auto/AFT to On position and retouch L155.to obtain a picture which shows no change while switching Auto/AFT from on to off. Check for proper AFT action.

TV ALIGNMENT INSTRUCTIONS (Continued)

CHROMA BANDPASS ALIGNMENT

Connect as explained in preliminary instructions. Set color control to maximum, tint control to mid-range. Connect a short jumper from the emitter to the base of Q304.

CONNECT SCOPE	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	REMARKS
Vertical input thru detector probe to Point D, low side to ground.	Thru .1mfd to Point E, low side to ground.	3.58MC (3-5MC Sweep)	3.08MC 3.58MC 4.08MC	Adjust both cores of T303 and T302 for maximum gain and symmetry of response similar to Fig. 3.
"	Thru .001mfd to Point U, on VHF tuner, low side to ground.	44MC (10MC Sweep)	3.08MC 3.58MC 4.08MC (4.5MC Trap)	Adjust T301 for maximum gain and symmetry of response similar to Fig. 4. If necessary, retouch T303 (both cores) and T302 to obtain response similar to Fig. 4. Inability to obtain proper bandpass alignment may be due to misadjustment of the 4.5MC trap. Adjust T207 for MINIMUM at 4.5MC. Remove jumper from Q304.

SOUND IF ALIGNMENT

Tune in a station and adjust T210 for maximum sound. Reduce signal strength at the antenna terminals until distortion appears. Continue to reduce the signal while aligning for undistorted output by adjusting T209 and T208.

3.58MC TRAP ALIGNMENT

Unplug the TV set and connect a signal generator through a .05mfd capacitor to Point F.
Connect the vertical input of an oscilloscope to Point H, low side to ground.
Adjust signal strength to give a usable indication at 3.58MC. Adjust L405 for MINIMUM.

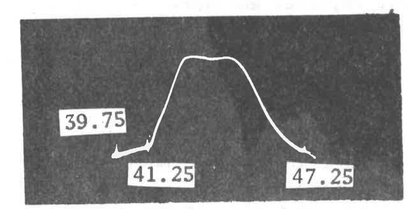


FIG. 1

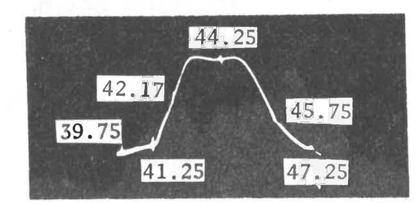


FIG. 2

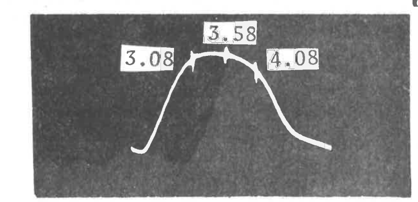


FIG. 3

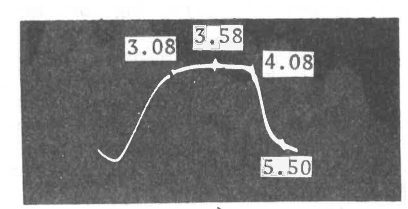


FIG. 4

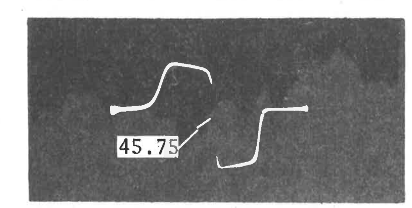


FIG. 5

RESISTANCE MEASUREMENTS

ITEM	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8	PIN 9	PIN 10	PIN 11	PIN 12	PIN 13	PIN 14
CRT	FIL	470K	24K	24K	850K	24K	16K	FIL						
MEASUREMENTS BELOW TAKEN WITH METER HAVING .08V MAX BETWEEN PROBE TIPS														
IC151	NC	NC	3200Ω	550Ω	3200Ω	NC	10K	10K	NC	3200Ω	3200Ω	NC	0Ω	550Ω
IC201	NC	4600Ω	4600Ω	4600Ω	4600Ω	INF	520Ω	INF	10K	30K	INF	520Ω	4800Ω	18K
ITEM	E	B	C		ITEM	E	B	C		ITEM	E	B	C	
VHF - Q1	220Ω	4200Ω	750Ω		Q304	650Ω	20K	17K		Q503	100Ω	10K	2000Ω	
VHF - Q2	220Ω	1600Ω	1300Ω		Q305	300Ω	17K	470Ω		Q504	300Ω	1500Ω	14K ✱	
VHF - Q3	2200Ω	3700Ω	300Ω		Q306	2200Ω	12K	5800Ω		Q505	1meg ✱	15K ✱	14K ✱	
UHF - Q1	330Ω	900Ω	700Ω		Q307	340Ω	2700Ω	1600Ω		Q506	4400Ω	6000Ω	1800Ω	
Q201	390Ω	1500Ω	1300Ω		Q308	340Ω	2700Ω	1600Ω		Q507	26Ω	5000Ω	28K	
Q202	500Ω	3100Ω	800Ω		Q309	82Ω	2000Ω	420Ω		Q508	1000Ω	4200Ω	35K ●	
Q203	390Ω	1300Ω	300Ω		Q401	220Ω	220Ω	1200Ω		Q509	15Ω	3200Ω	50K	
Q204	1000Ω	100K	3000Ω		Q402	1500Ω	19K	500Ω		Q510	1400Ω	4500Ω	6500Ω	
Q205	450Ω	1100Ω	10K		Q403	2000Ω	18K	0Ω		Q601	300K ●	28K ✱	14K ✱	
Q206	2100Ω	10K	390Ω		Q404	1800Ω	17K	0Ω		Q602	500K ●	3300Ω ✱	65K ✱	
Q207	190Ω	4000Ω	850Ω		Q405	1600Ω	17K	0Ω		Q801	270Ω	290Ω	1meg	
Q208	0Ω	1000Ω	5500Ω		Q406	2000Ω	1500Ω	21K		Q802	0Ω	22Ω	14K ✱	
Q209	270Ω	5500Ω	1300Ω		Q407	1800Ω	1500Ω	21K		Q901	50K	35K ●	14K ✱	
Q210	1500Ω	1300Ω	390Ω		Q408	1600Ω	1600Ω	21K		Q902	150Ω	4500Ω	13K ✱	
Q301	290Ω	30K	9000Ω		Q409	8000Ω	22K	65K		Q903	13K ✱	300K ●	14K ✱	
Q302	INF ●	3600Ω	1300Ω		Q501	390Ω	12K	750Ω						
Q303	0Ω	30K	INF ●		Q502	100Ω	30K	2000Ω						

✱ THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT
● READING DEPENDS UPON POLARITY OF METER CONNECTIONS.

NC NO CONNECTION
INF INFINITE

TROUBLESHOOTING CHECK CHART

The following chart lists component failures most likely to produce the indicated symptoms.

PICTURE or SOUND

No pic, no sound, no raster: Circuit Breaker, Fuse, LV Rect, Volt Reg, Reg Control, Error Amp

No pic, no sound, has raster: Video IFs, Tuner Mixer
No pic, no sound, has snow: Tuner RF/Mixer/Osc
No pic, has sound, no raster: Video Outputs, CRT
No pic, has sound, has raster: Video Amps/Outputs
Has pic, no sound: Sound IF Det, Sound IF, Audio Det/Amp
Overloaded picture: AGC, Video Det
Low or excessive brightness: 18.20V Source, ABL, Blanking

SWEEP

No raster, has sound: Horiz Mult/Conv/Output/Damper, HV Rect, CRT
No vert deflection: Vert Osc/Amp/Drive/Outputs
Poor vert lin or foldover: Vert Osc/Amp/Drive/Outputs
Poor horiz lin or foldover: Horiz Output, Damper
Narrow picture: LV Rect, Volt Reg, Horiz Mult/Conv/Output, Damper
Vert off frequency: Vert Osc
Horiz off frequency: Horiz Sync Phase Inv/Phase Det/Mult

SYNC

No vert sync: Vert Osc
No horiz sync: Horiz Sync Phase Inv/Phase Det/Mult
No vert/horiz sync: AGC 1/AGC 2/Sync Sep

RASTER

Yellow (no blue): B-Y Amp, Blue Video, CRT
Cyan (no red): R-Y Amp, Red Video, CRT
Magenta (no green): G-Y Amp, Green Video CRT

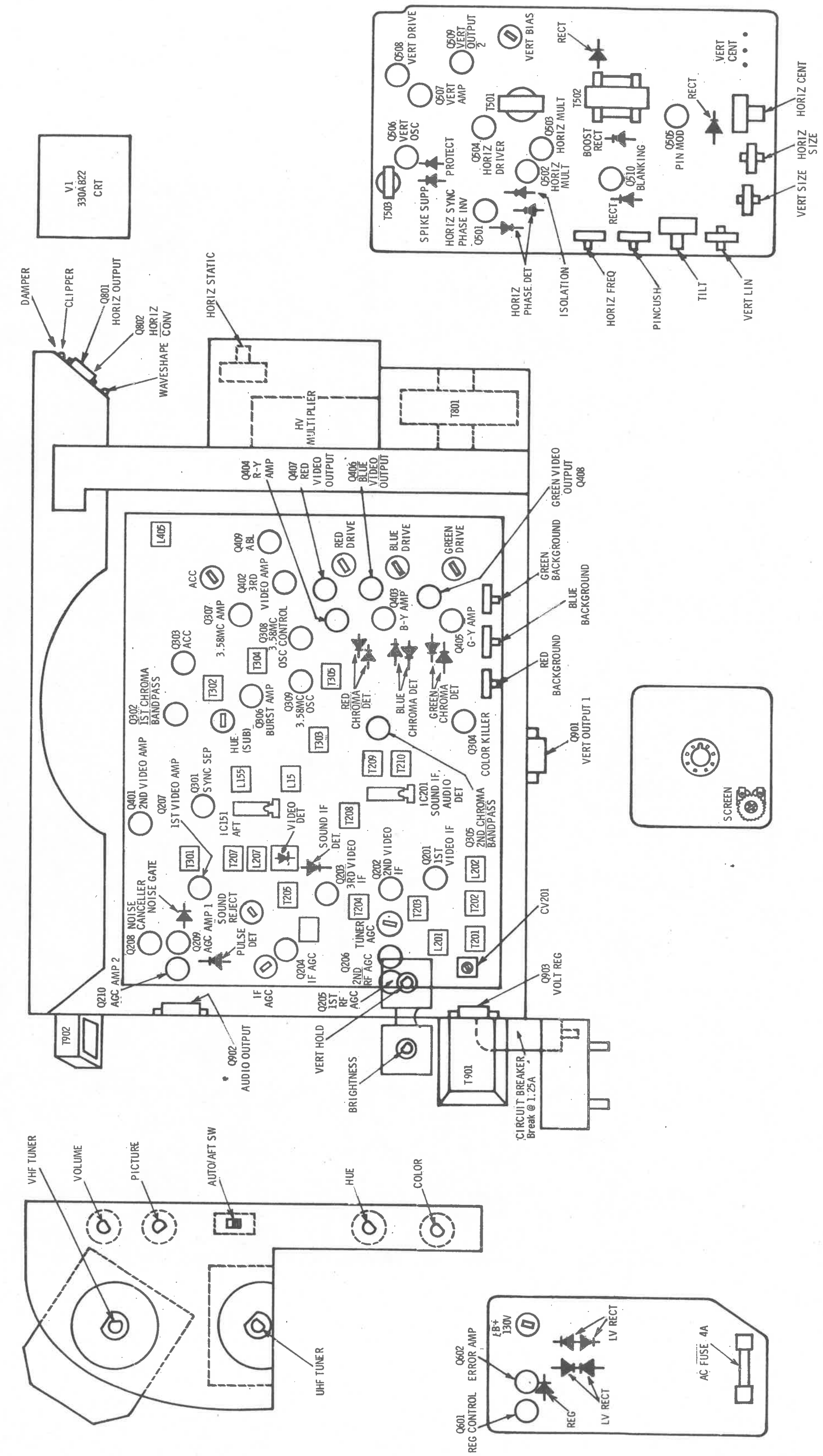
COLOR (B/W operating normally)

No color: Killer, Burst, Chroma Bandpass

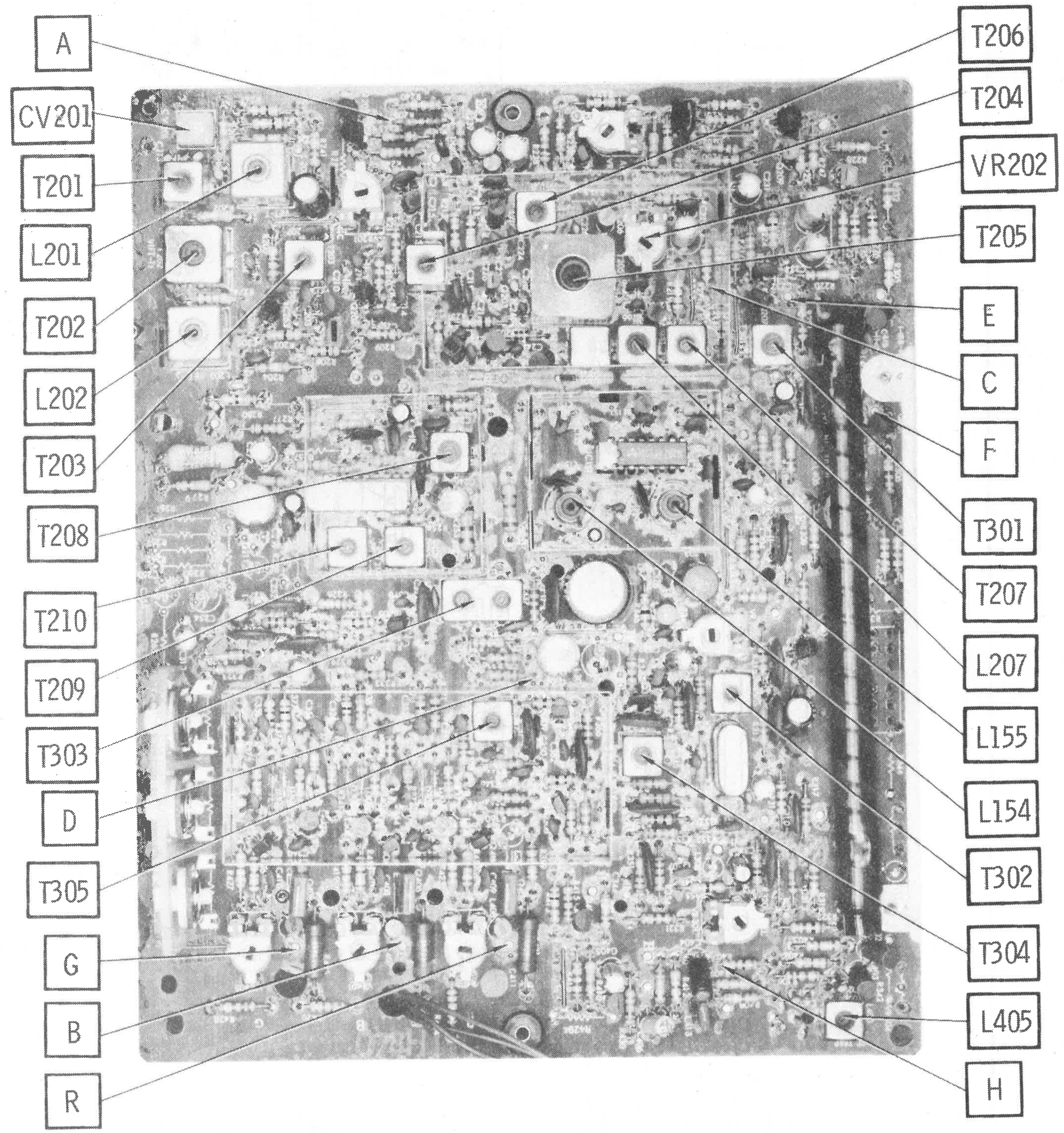
Weak color: Chroma Bandpass
No color Sync: Burst, 3.58MC Amp/Control/Osc

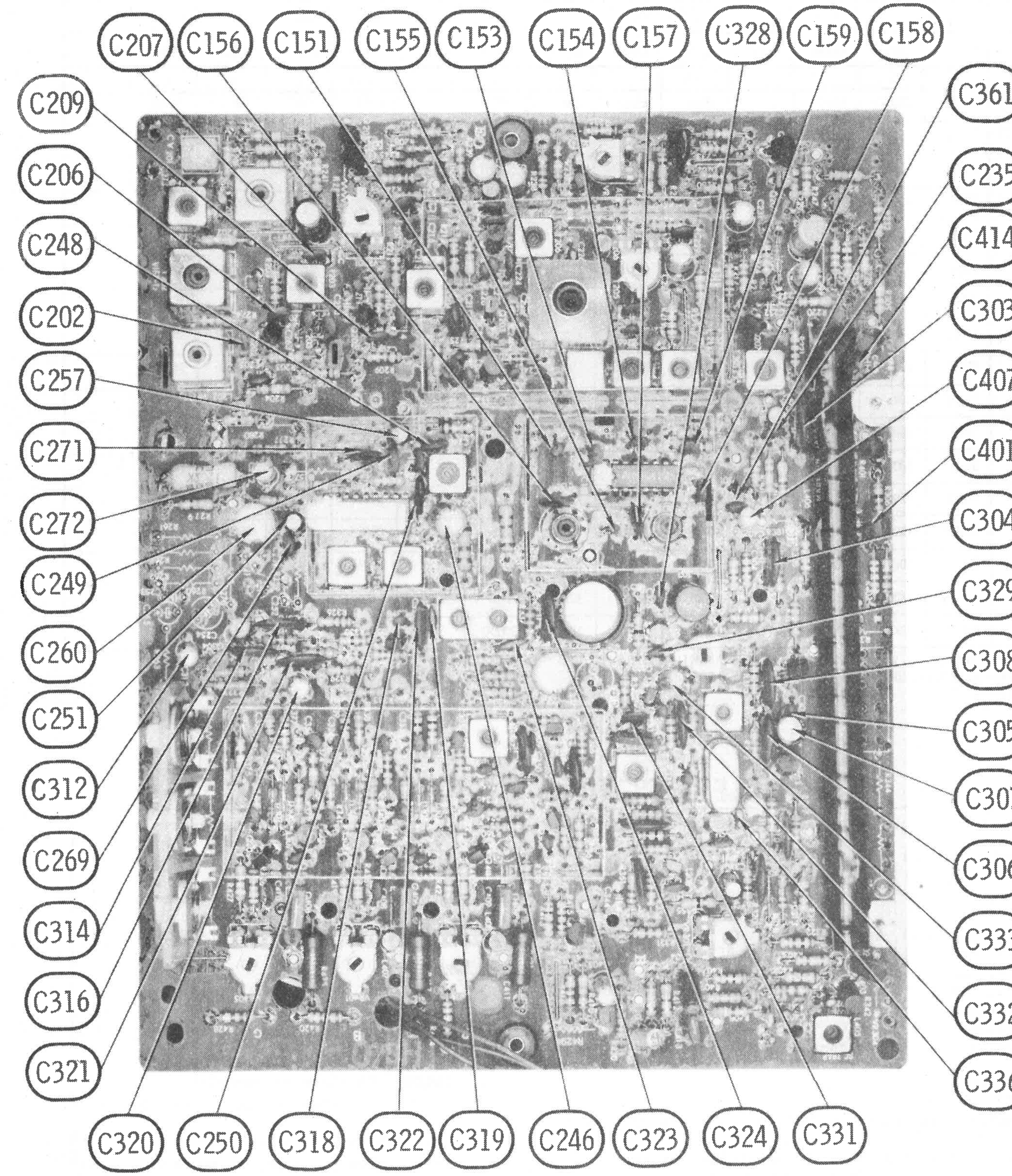
No blue: Blue Chroma Det, B-Y Amp
No red: Red Chroma Det, R-Y Amp
No green: Grn Chroma Det, G-Y Amp
Incorrect hue (tint): Burst, Chroma Dets

A series filament circuit is used; an open filament in any tube will cause the set to be inoperative.

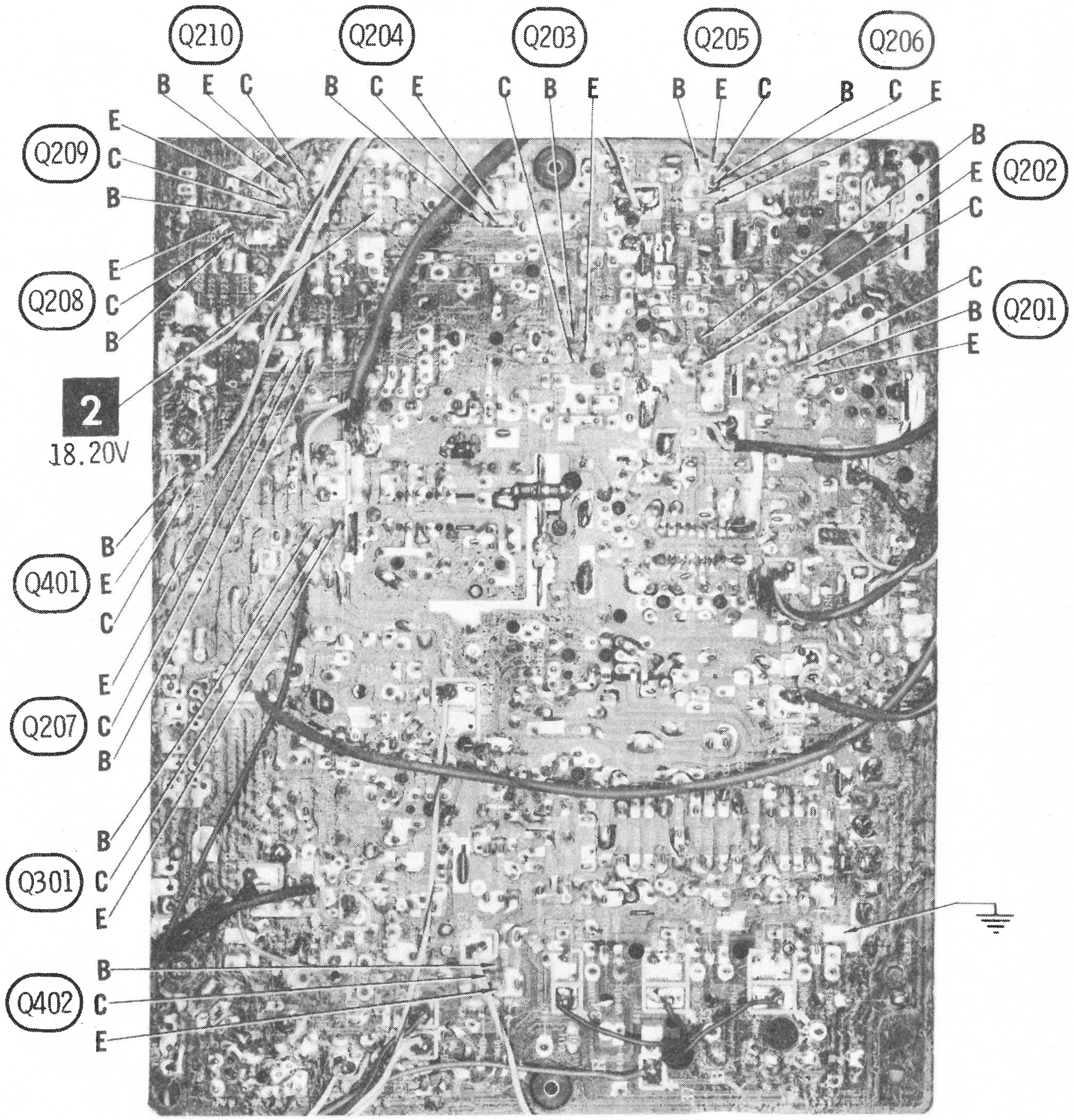


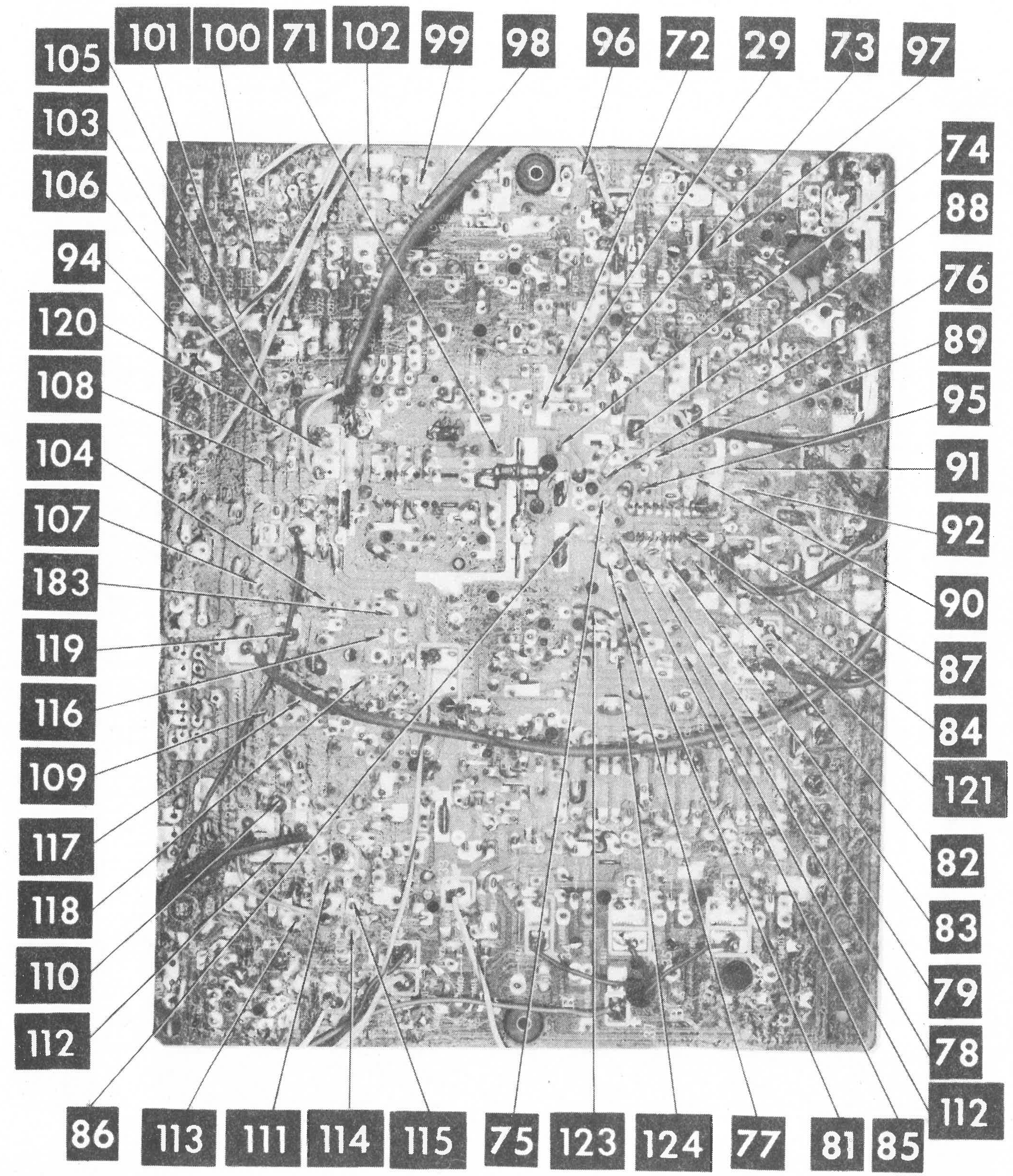
TRANSISTOR PLACEMENT CHART



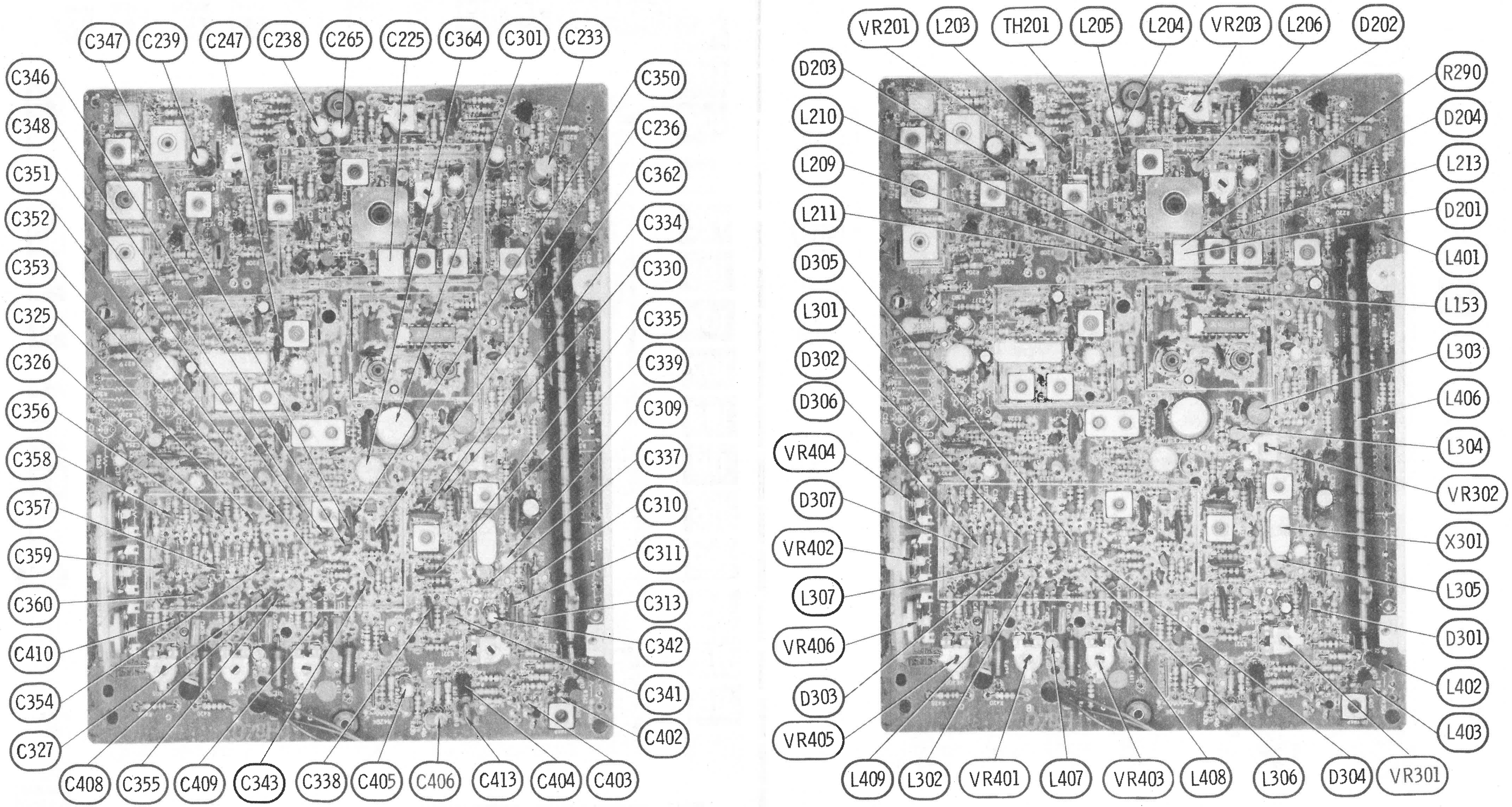


SIGNAL AND CHROMA BOARD

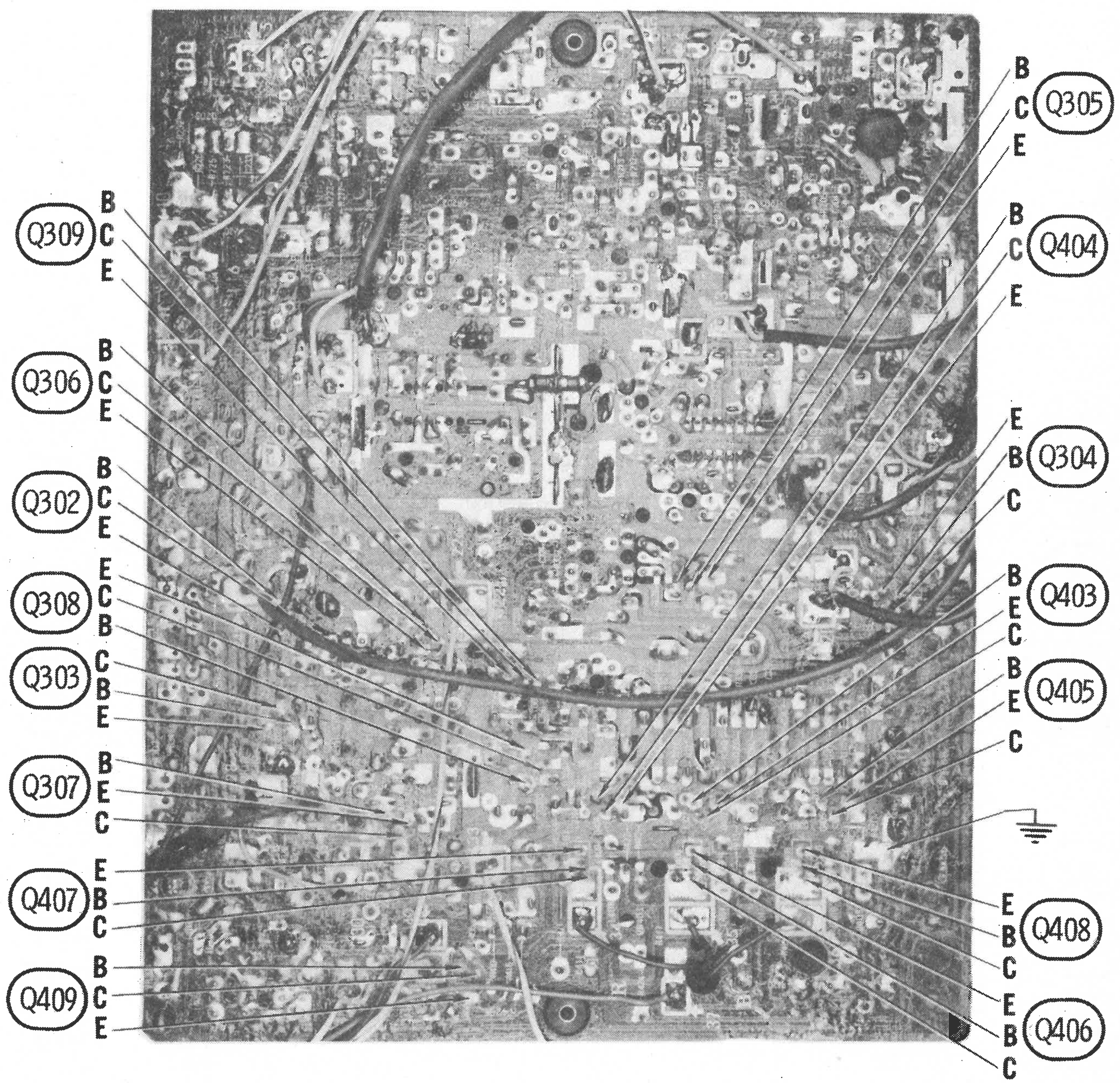


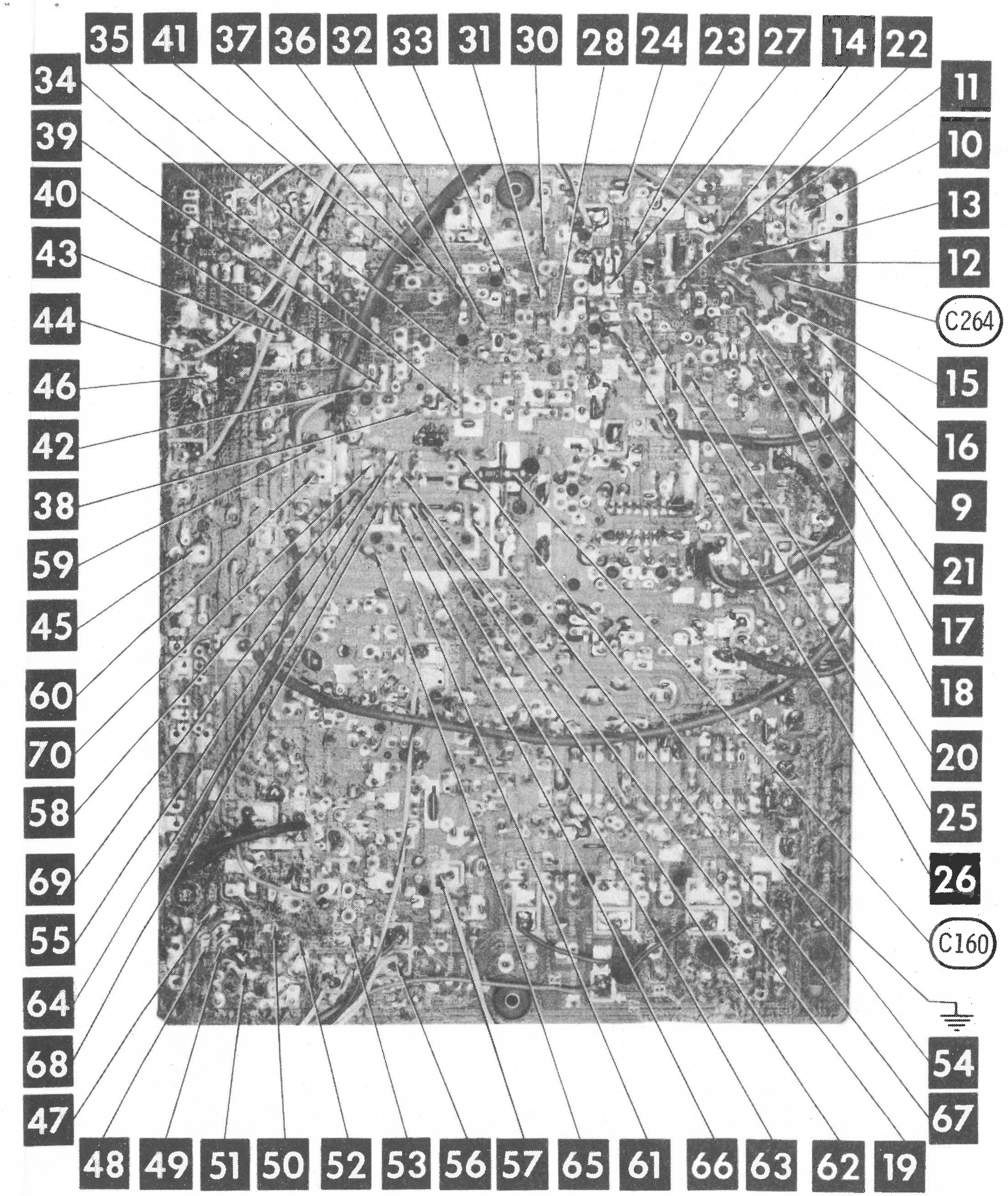


SIGNAL AND CHROMA BOARD Howard W. Sams CIRCUITRACE® Photo



SIGNAL AND CHROMA BOARD

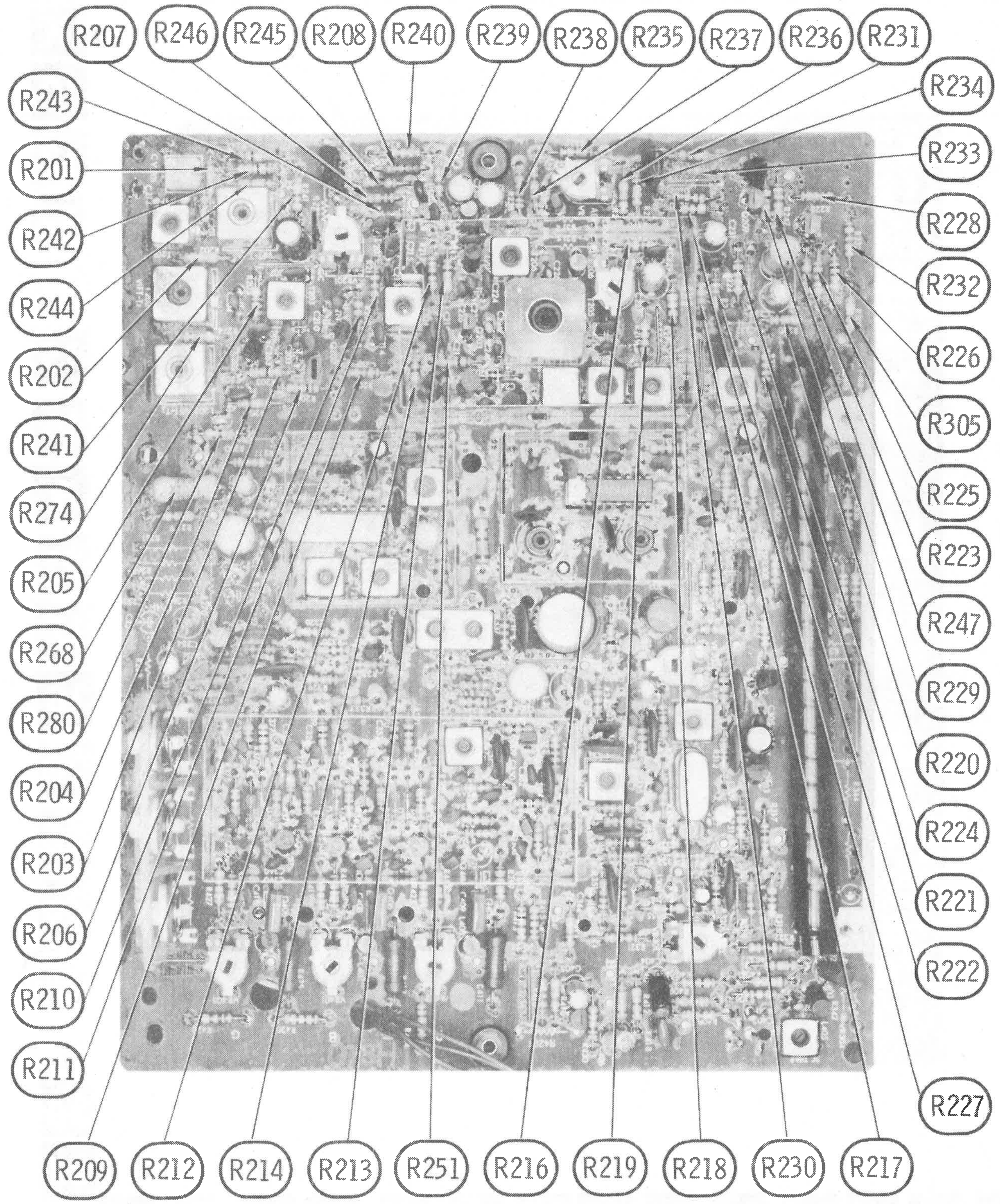


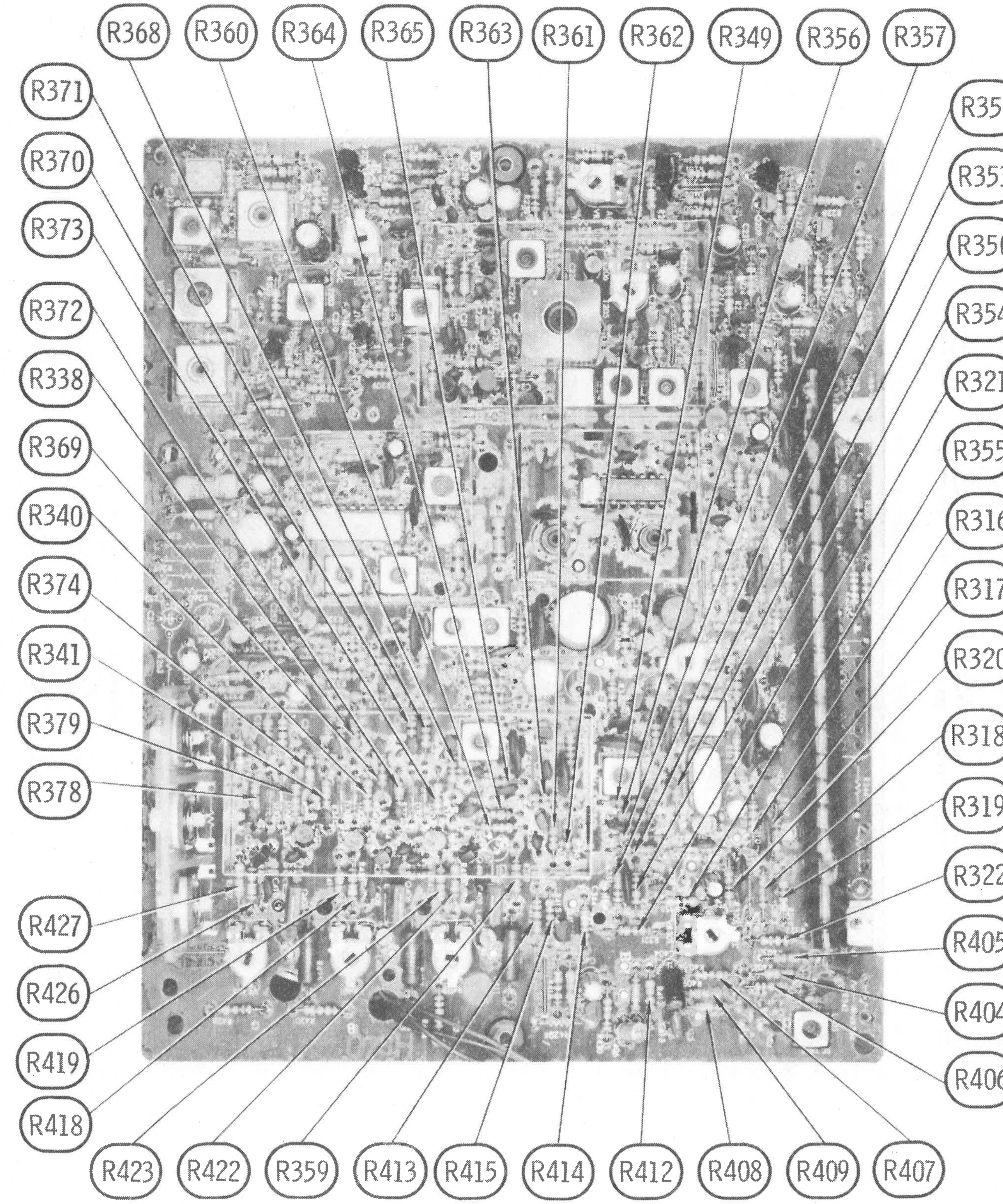


SIGNAL AND CHROMA BOARD A Howard W. Sams CIRCUITRACE® Photo

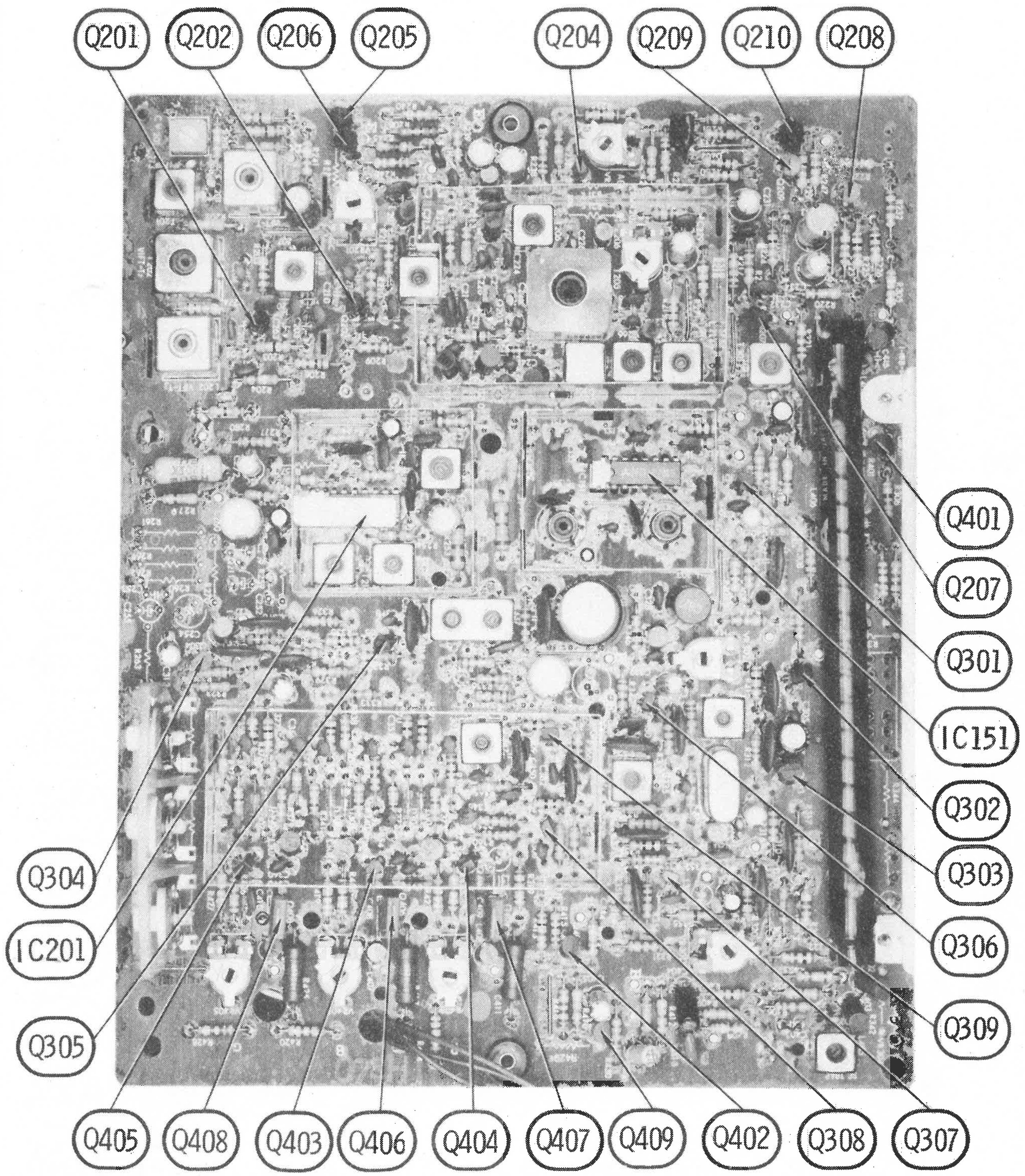
SONY CHASSIS SCC-17A-C, SCC-17B-C

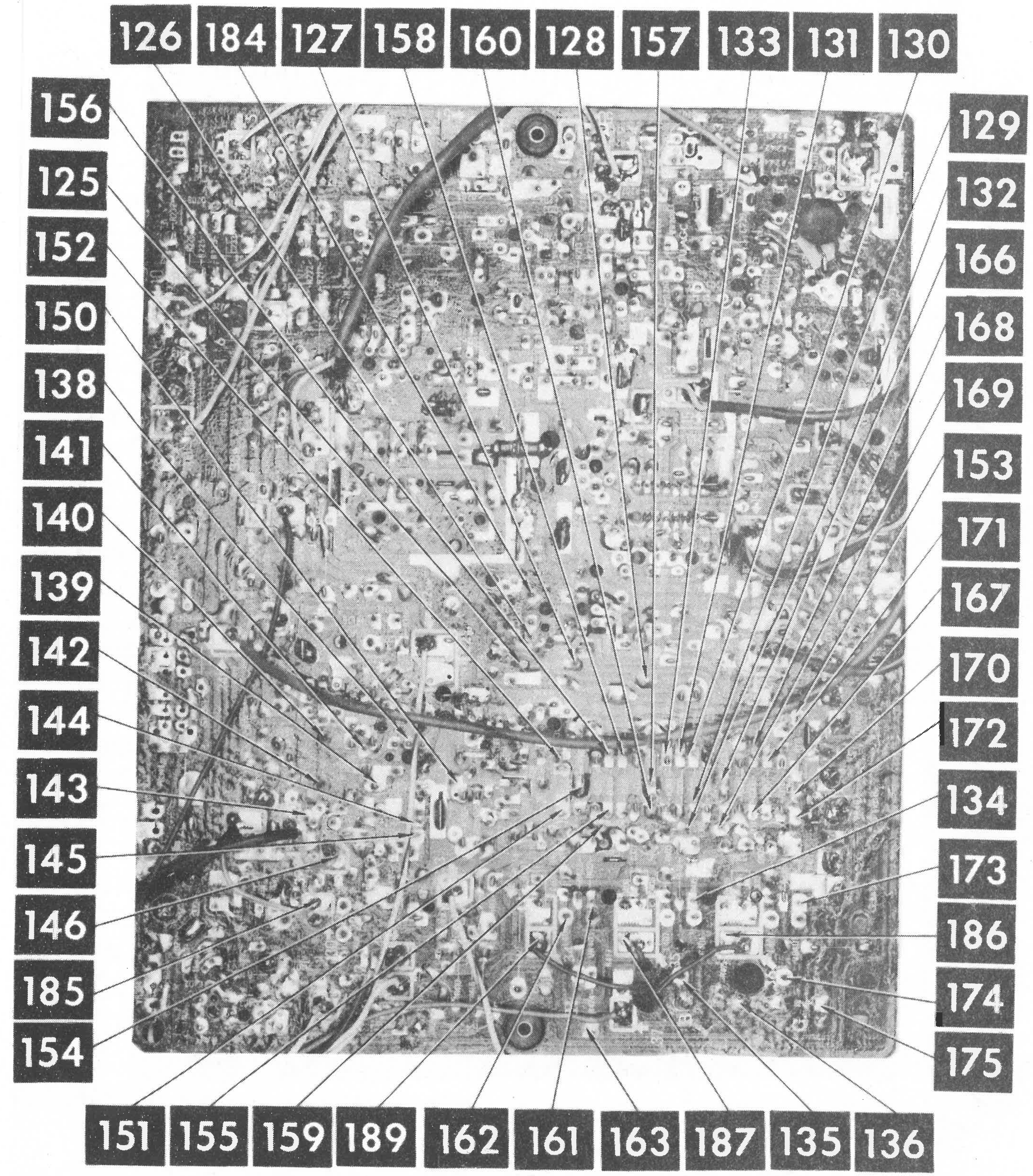
FOLDER 3





SIGNAL AND CHROMA BOARD

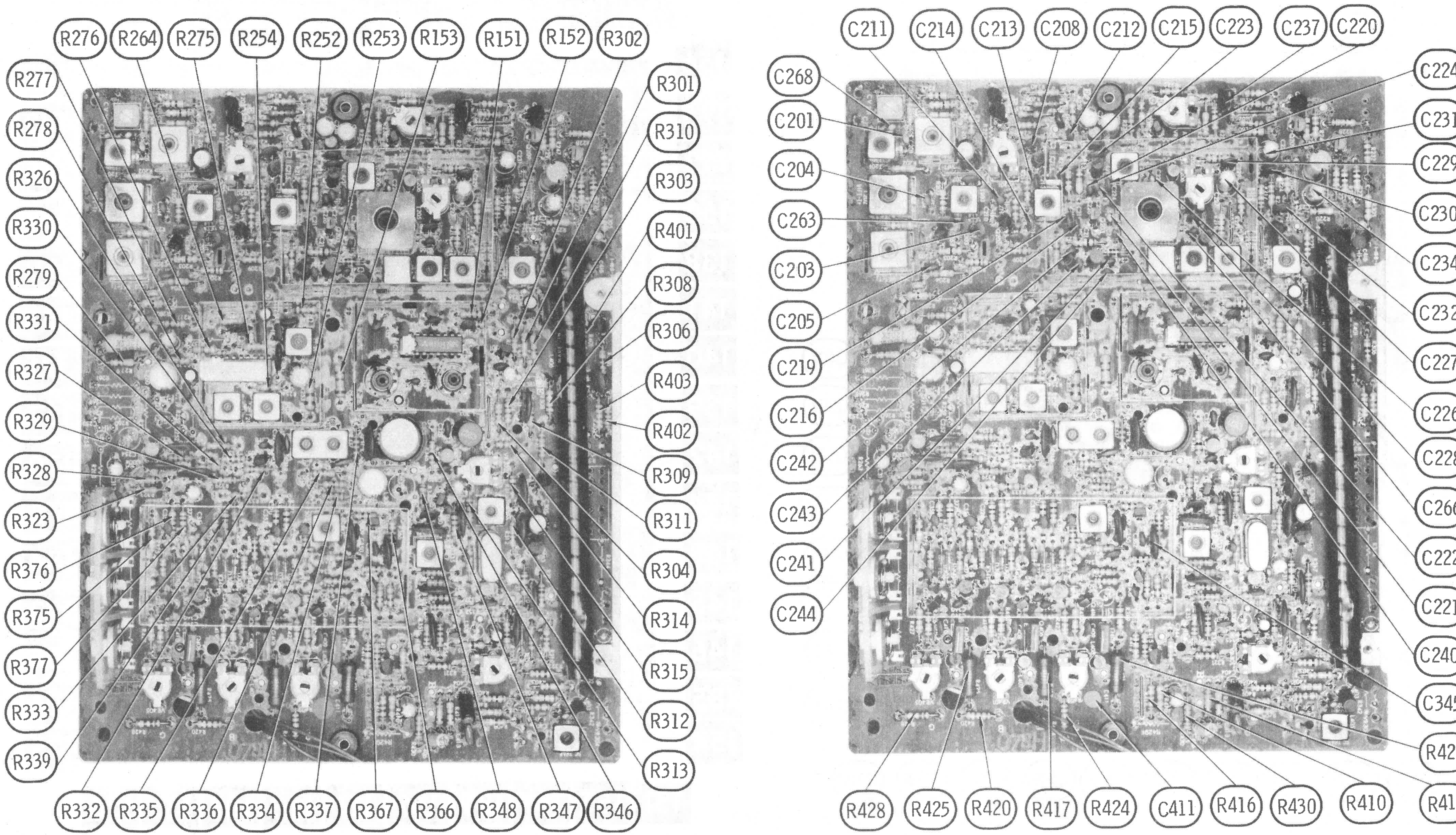




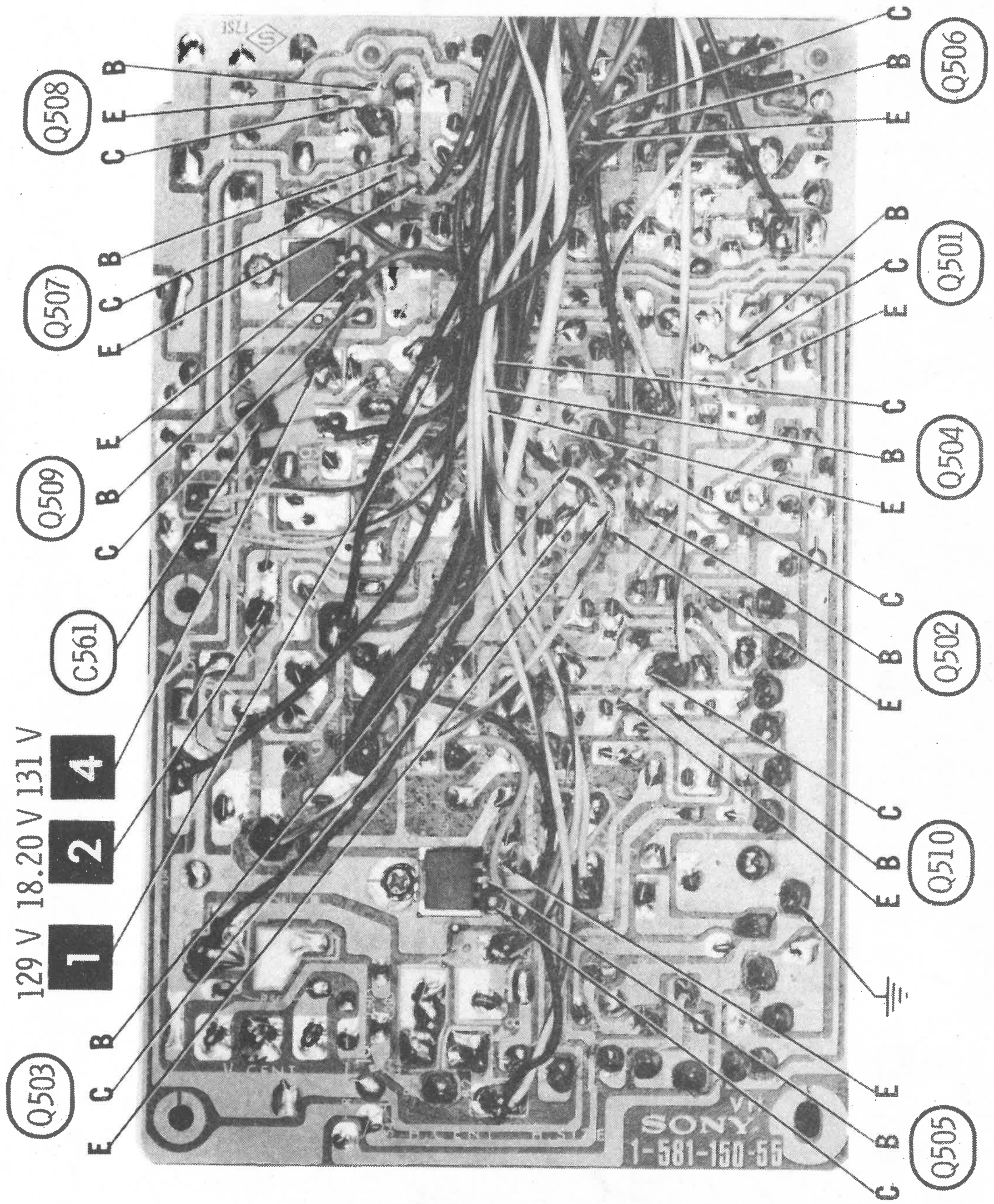
SONY CHASSIS
SCC-17A-C, SCC-17B-C

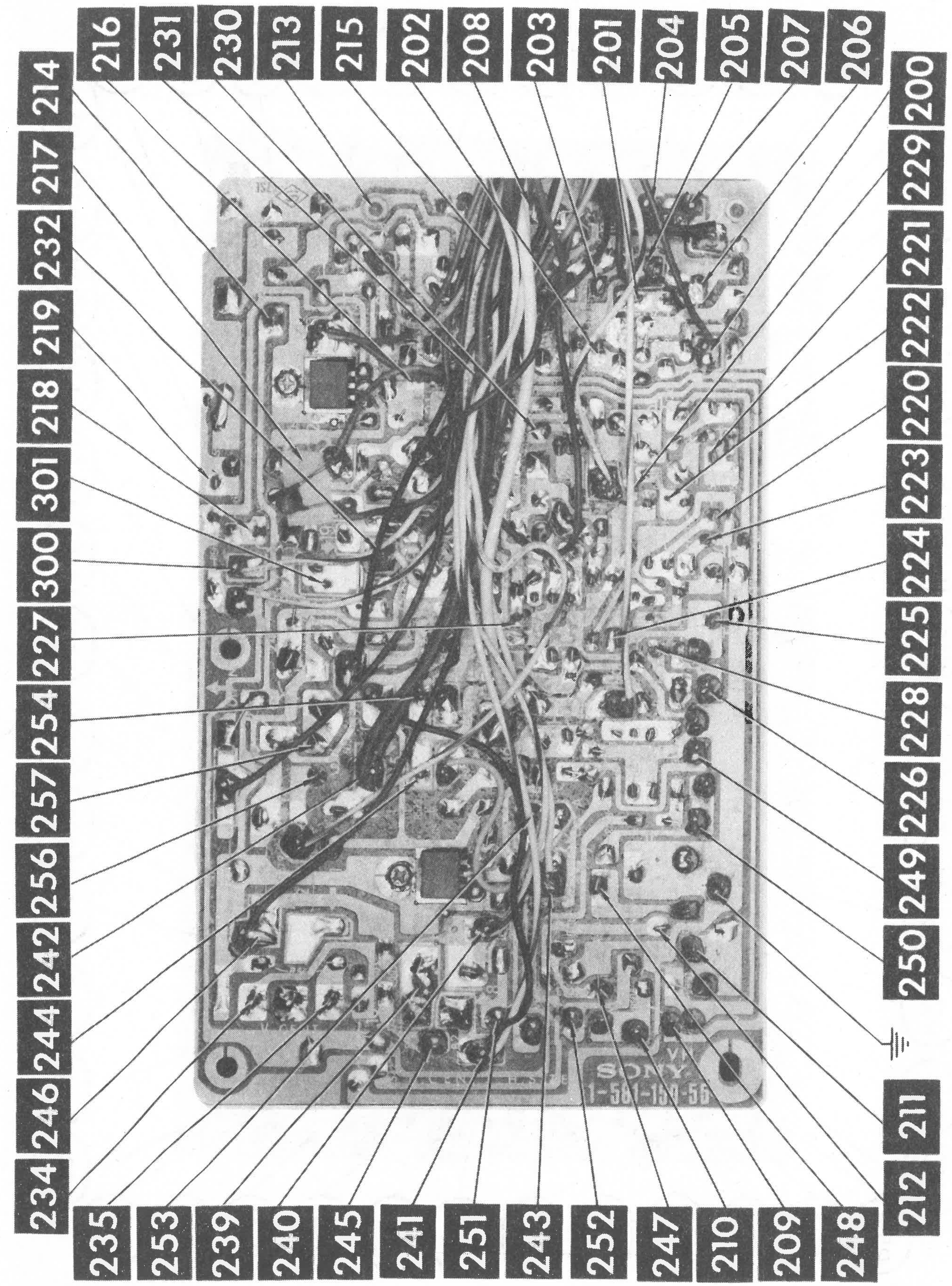
FOLDER 3

SIGNAL AND CHROMA BOARD A Howard W. Sams CIRCUITRACE® Photo



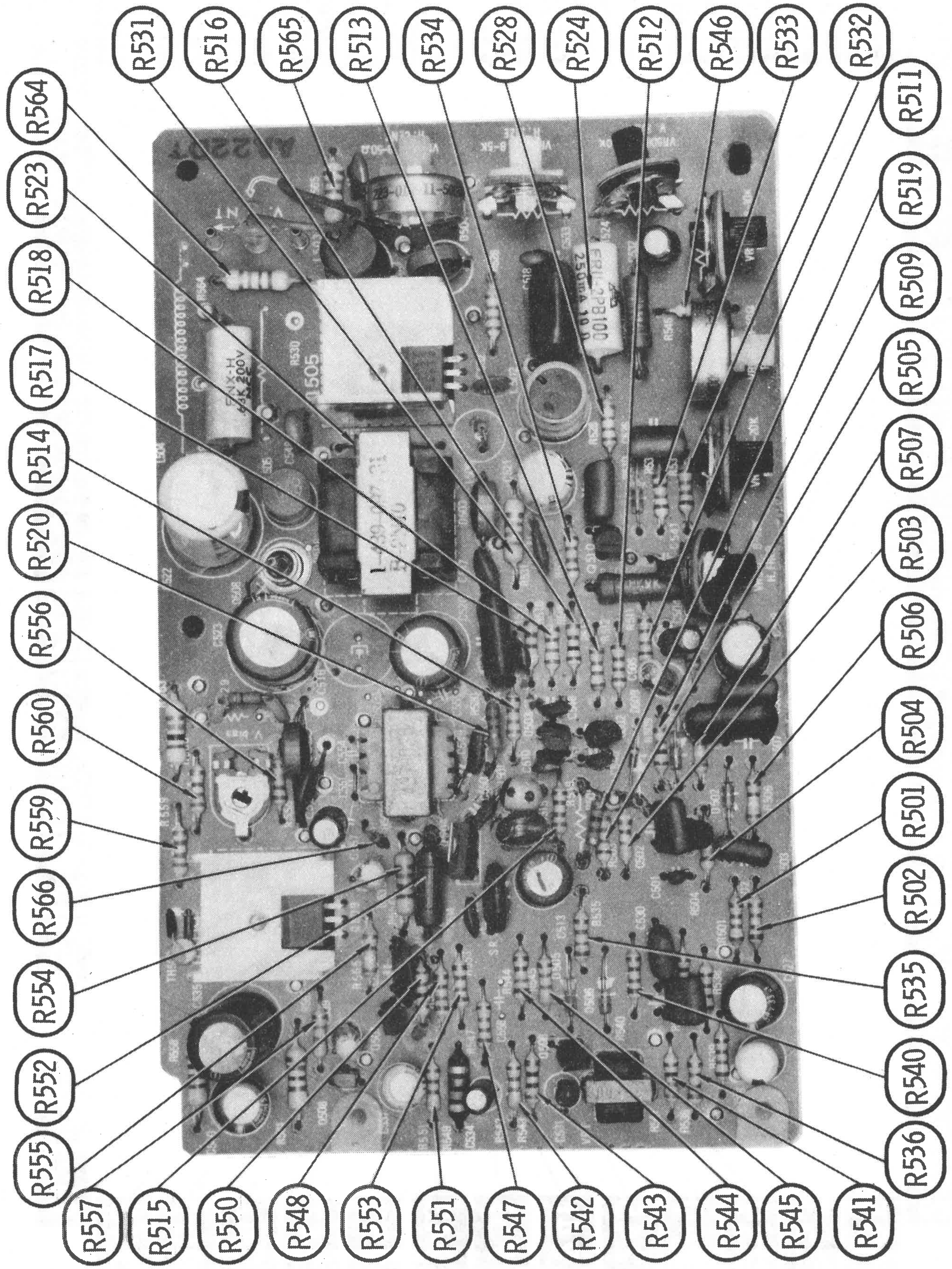
SIGNAL AND CHROMA BOARD

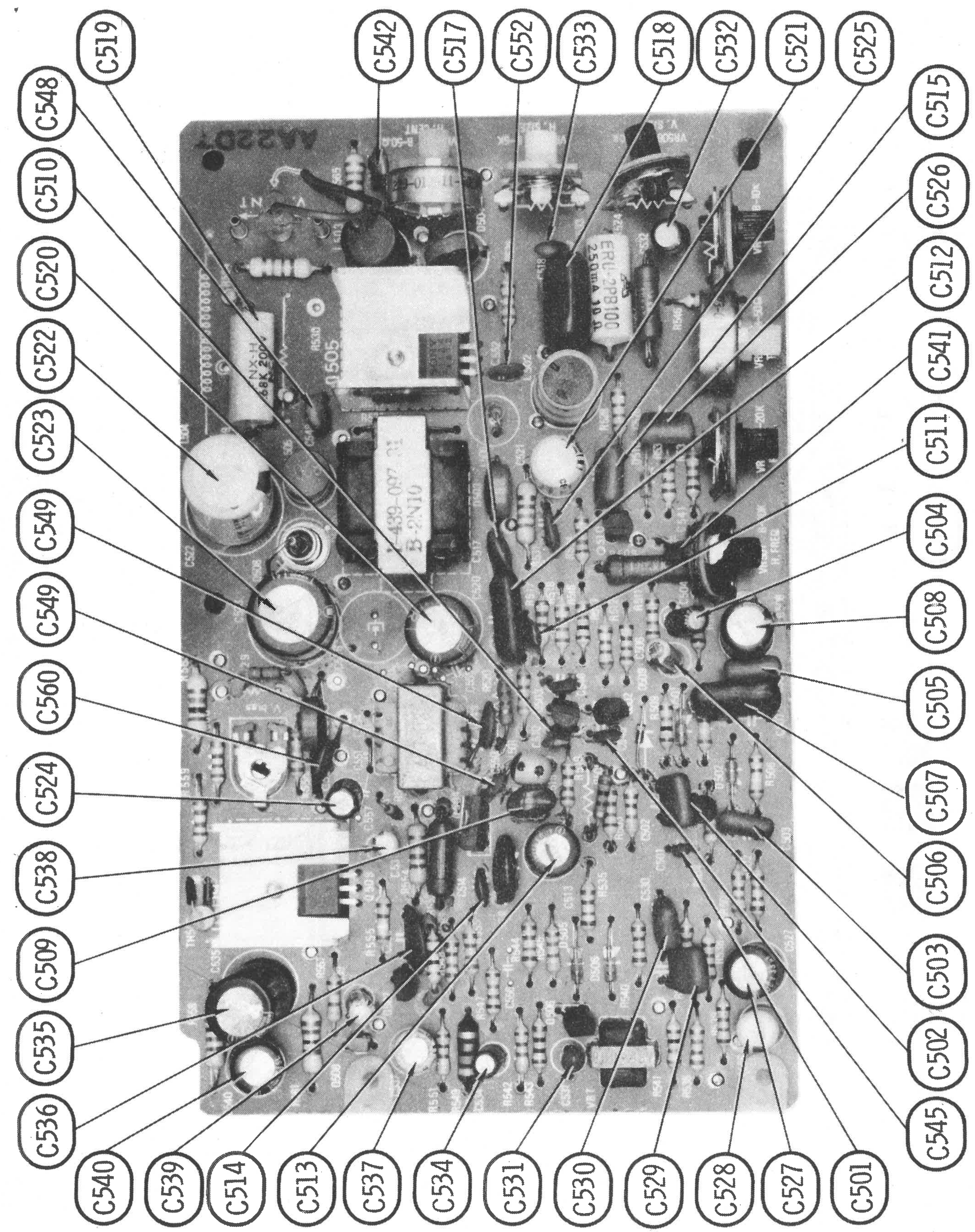




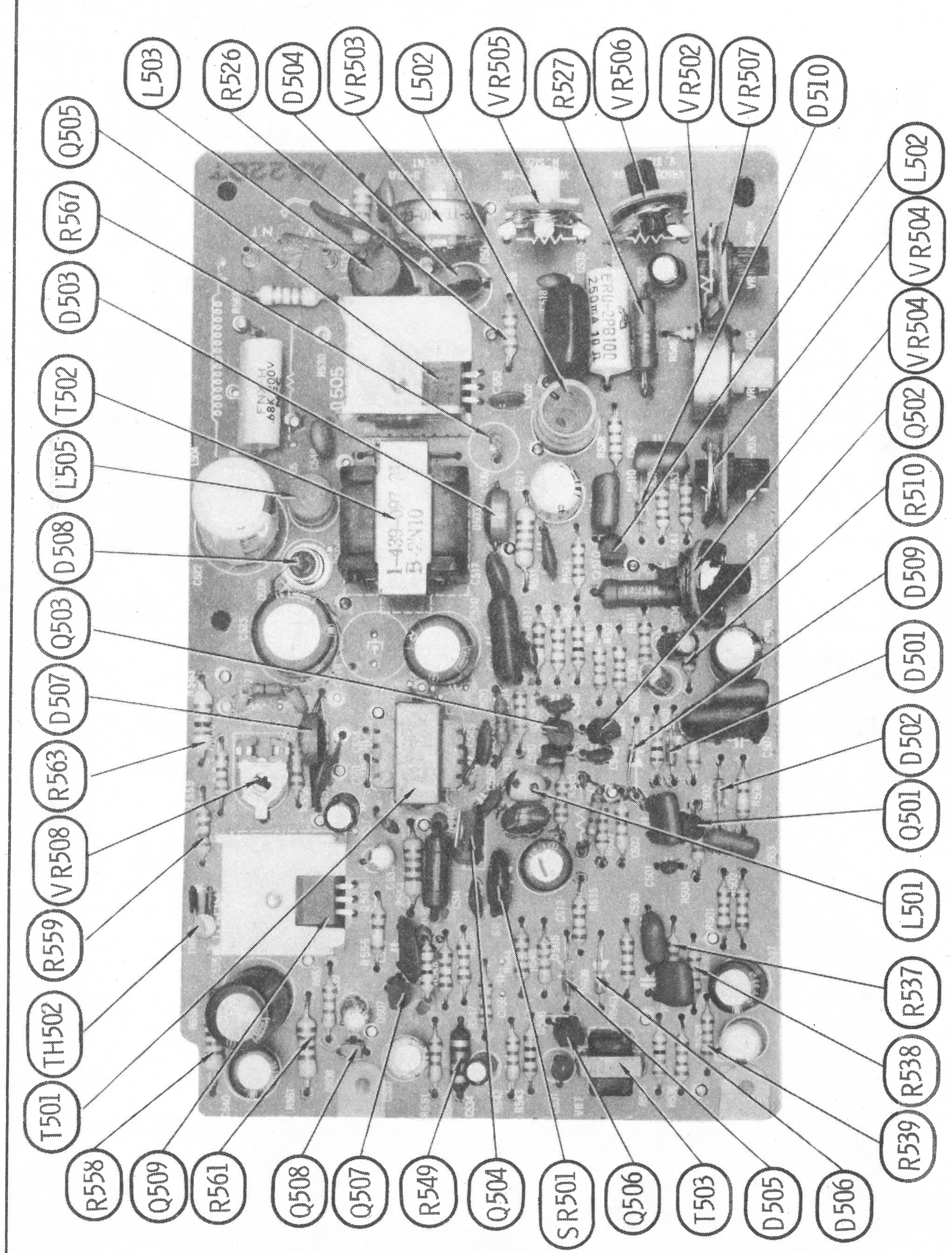
DEFLECTION BOARD

A Howard W. Sams CIRCUITRACE Photo

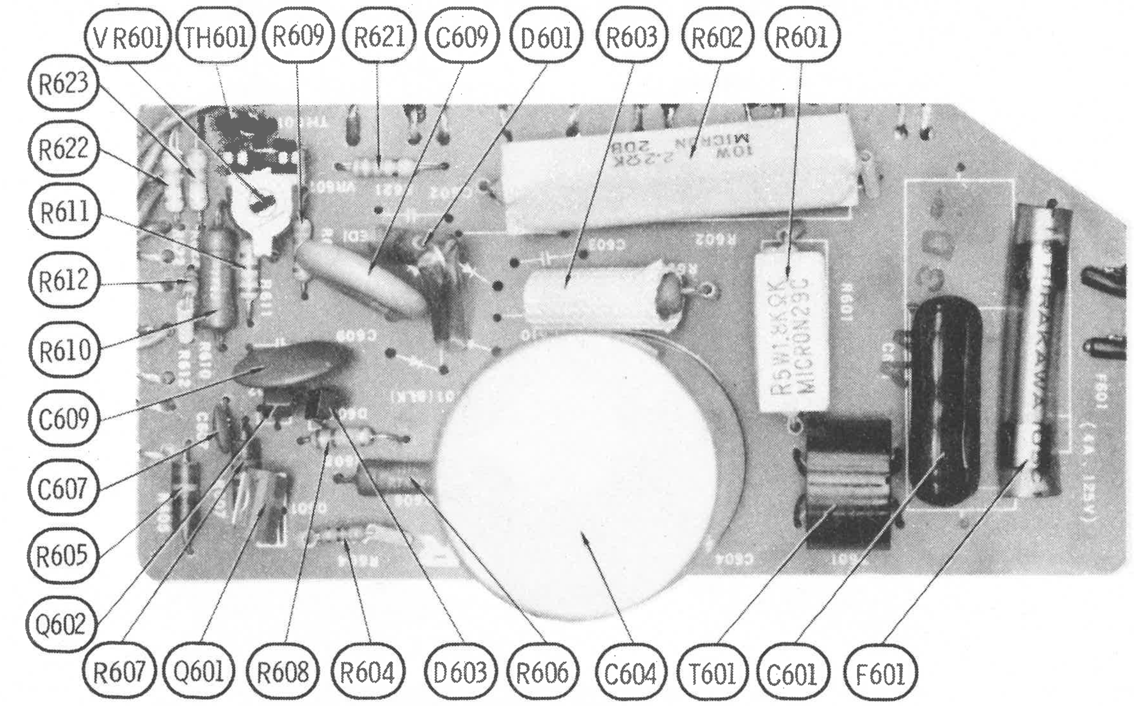


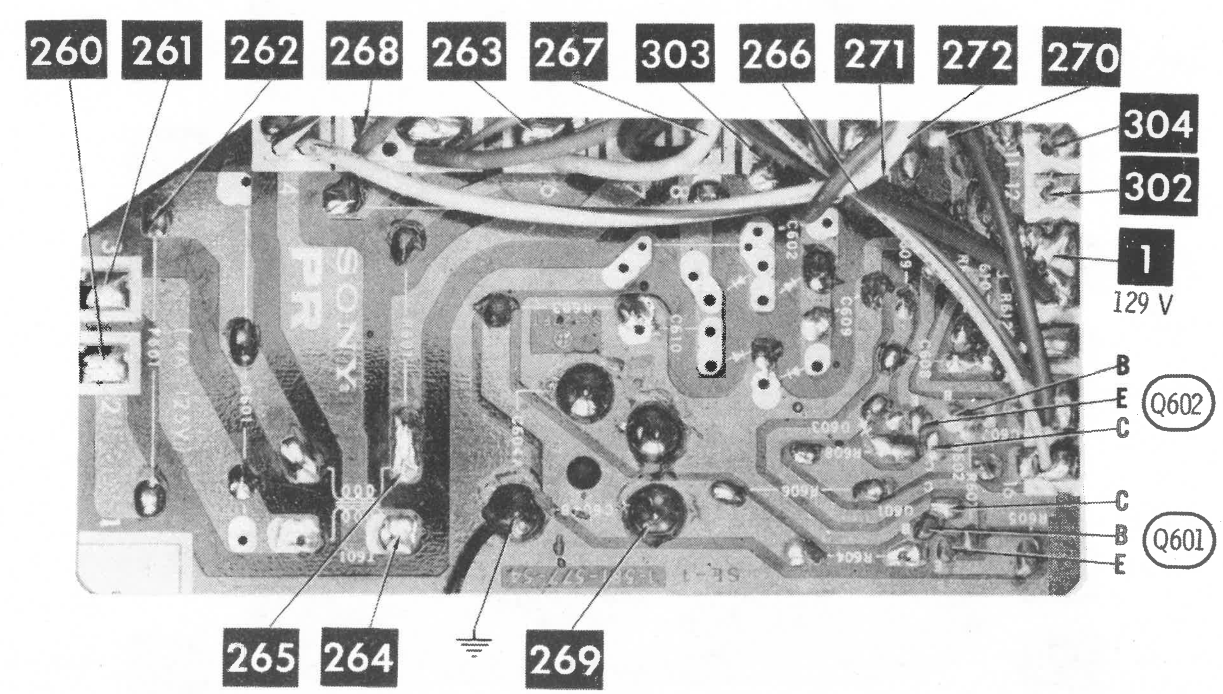


DEFLECTION BOARD



DEFLECTION BOARD

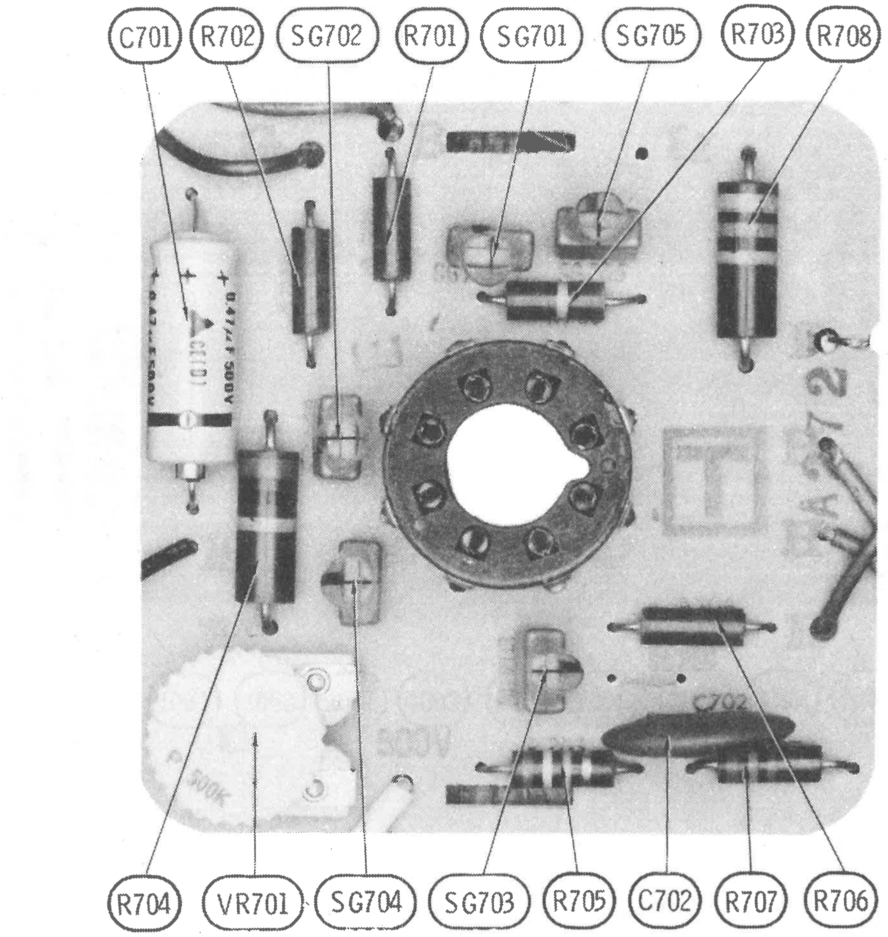


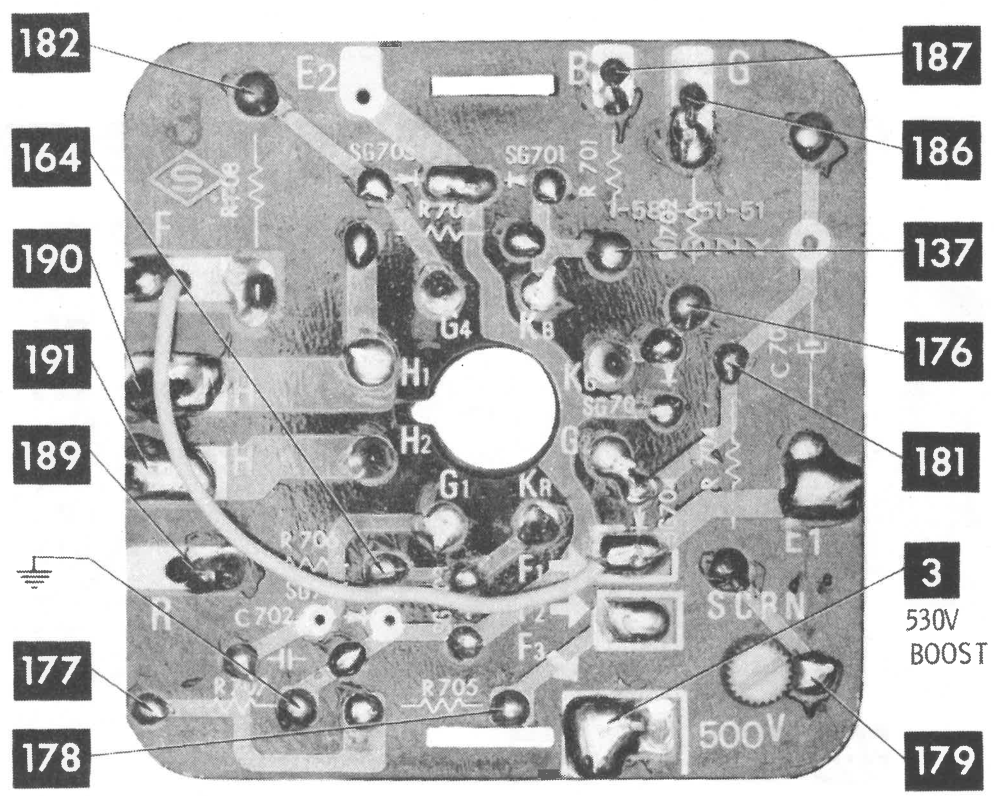


POWER REGULATOR BOARD

A Howard W. Sams CIRCUITRACE Photo

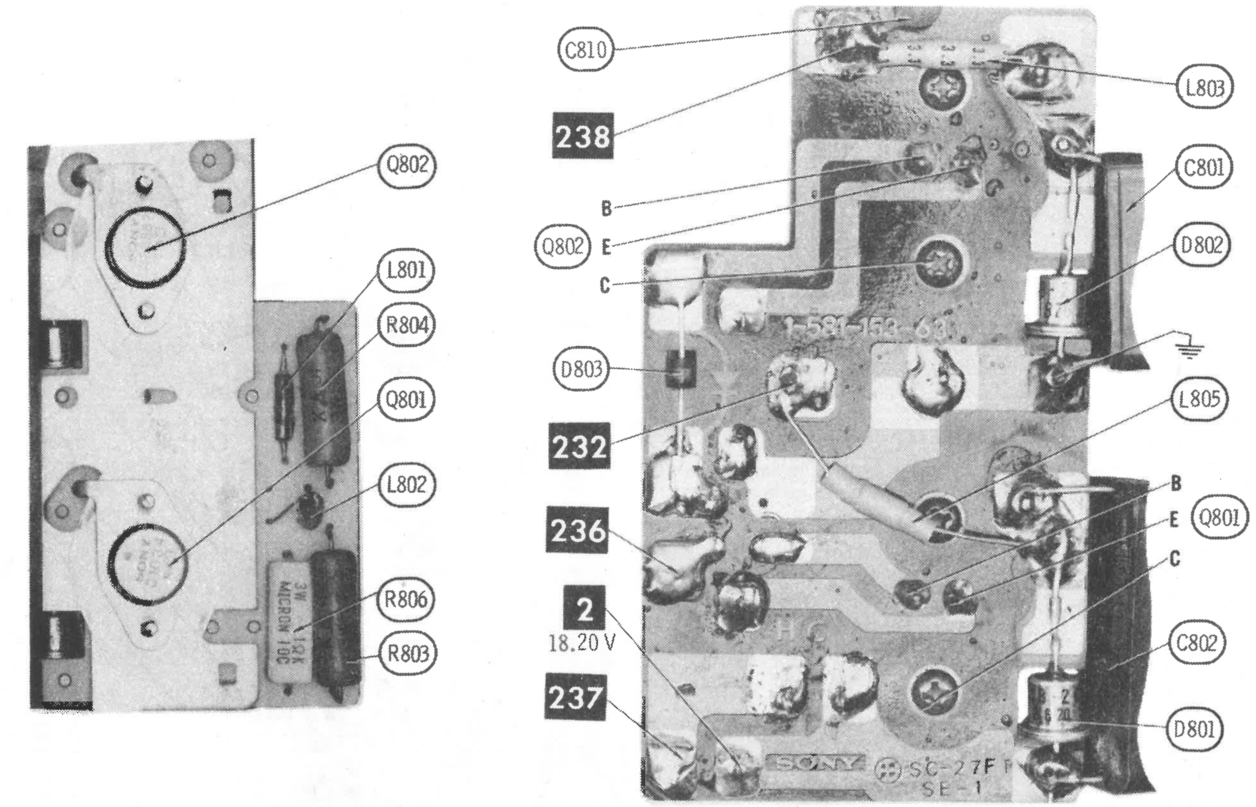
SONY CHASSIS
SCC-17A-C, SCC-17B-C



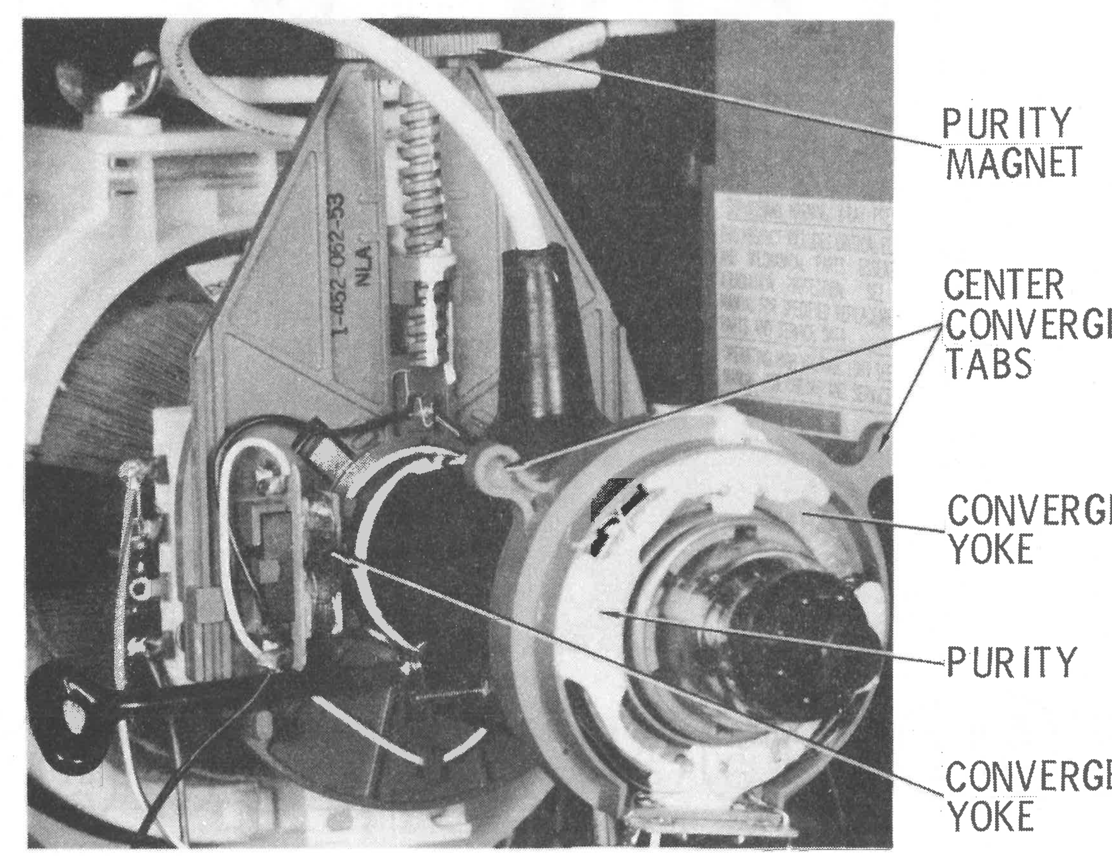


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CRT SOCKET BOARD



HORIZONTAL OUTPUT-CONVERTER A Howard W. Sams CIRCUITRACE® Photo



CONVERGENCE

VHF TUNER PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

SEMICONDUCTORS

ITEM No.	TYPE / MFGR. No./PART No.	REPLACEMENT DATA GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
Q1	SE5020	GE-11	TR-22	PTC115	HEP56	SK3018	RT107	ECG 108
Q2	2SC717	GE-11	TR-22	PTC115	HEP56	SK3018	RT107	ECG 108
Q3	SE3001	GE-11	TR-22	PTC115	HEP56	SK3018	RT107	ECG 108
Q4	2SC454 (8)							

(8) Varactor.

CAPACITORS

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA ARCO/ELMENCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	27						
C2	27						
C5	82 10%		CCTO-820	DTZ-82	NP082	CN0482	10TCC-Q82
C6	27						
C7	8.2				NP08P2		10TCC-V82
C8	7						
C9	30		CCTO-300				10TCC-Q30
C10	300 10%						
C11	180 10%		CCD-181	DD-181	GP180	GP318	10TS-T18
C12	.001						
C13	1					CN0510	10TCC-V10
C14	.002						
C15	68			DTZ-68		CN0468	10TCC-Q68
C16	7						
C17	30		CCTO-300				10TCC-Q30
C18	.001						
C19	47						
C20	15 10%		CCTO-150	DTZ-15	NP015	CN0415	10TCC-Q15
C21	33						
C22	.75						
C23	.001						
C24	51						
C25	62						
C26	10						
C27	4 NPO						
C28	7 N075					*	
C29	7 N470		*			*	
C30	1						
C31	.001						
C32	1						
C33	4 N075					*	
C34	1						
C35	2 NPO						
C36	.001						
C37	.001						
C38	1.5 NPO			DTZ-1R5	NP01P5	CN0515	10TCC-V15

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

COILS (RF-IF)

ITEM No.	USE	MFGR. PART No.	NOTES
L4	FM Trap		

ITEM No.	USE	MFGR. PART No.	NOTES
RFC1	RF Choke		10uh

UHF TUNER PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

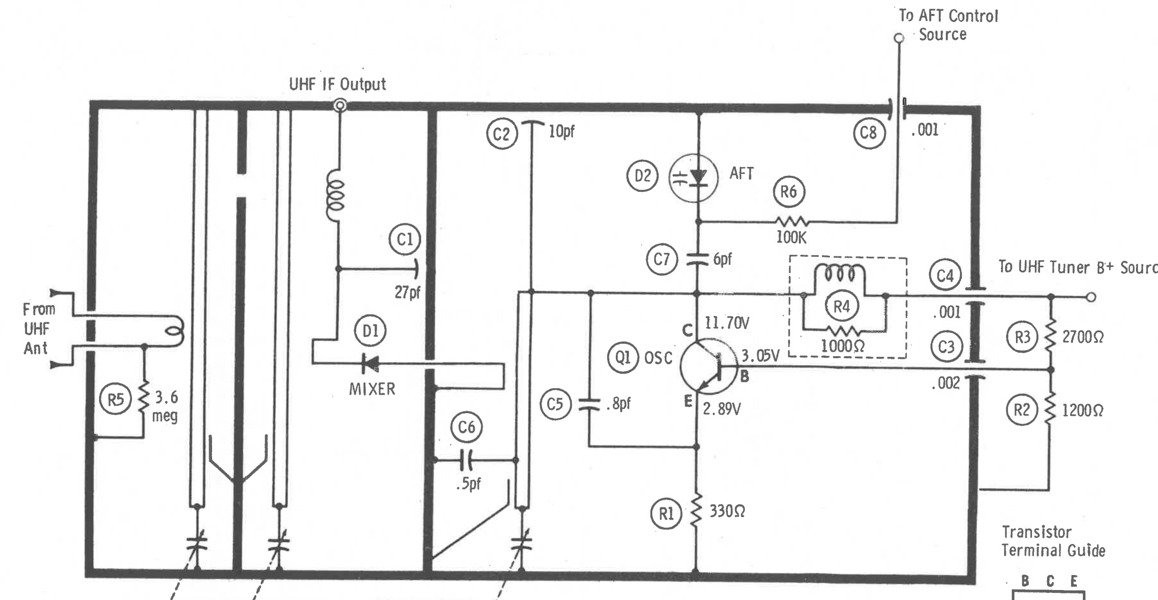
SEMICONDUCTORS

ITEM No.	TYPE / MFGR. No./PART No.	REPLACEMENT DATA GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
Q1	2SC684	GE-11		PTC133	HEP720	SK3019	RT108	ECG 108
D1	SD82A	1N82A	1N82AG	PTC217	HEPR0700	SK3089		ECG 112
D2	1S1923A (8)							

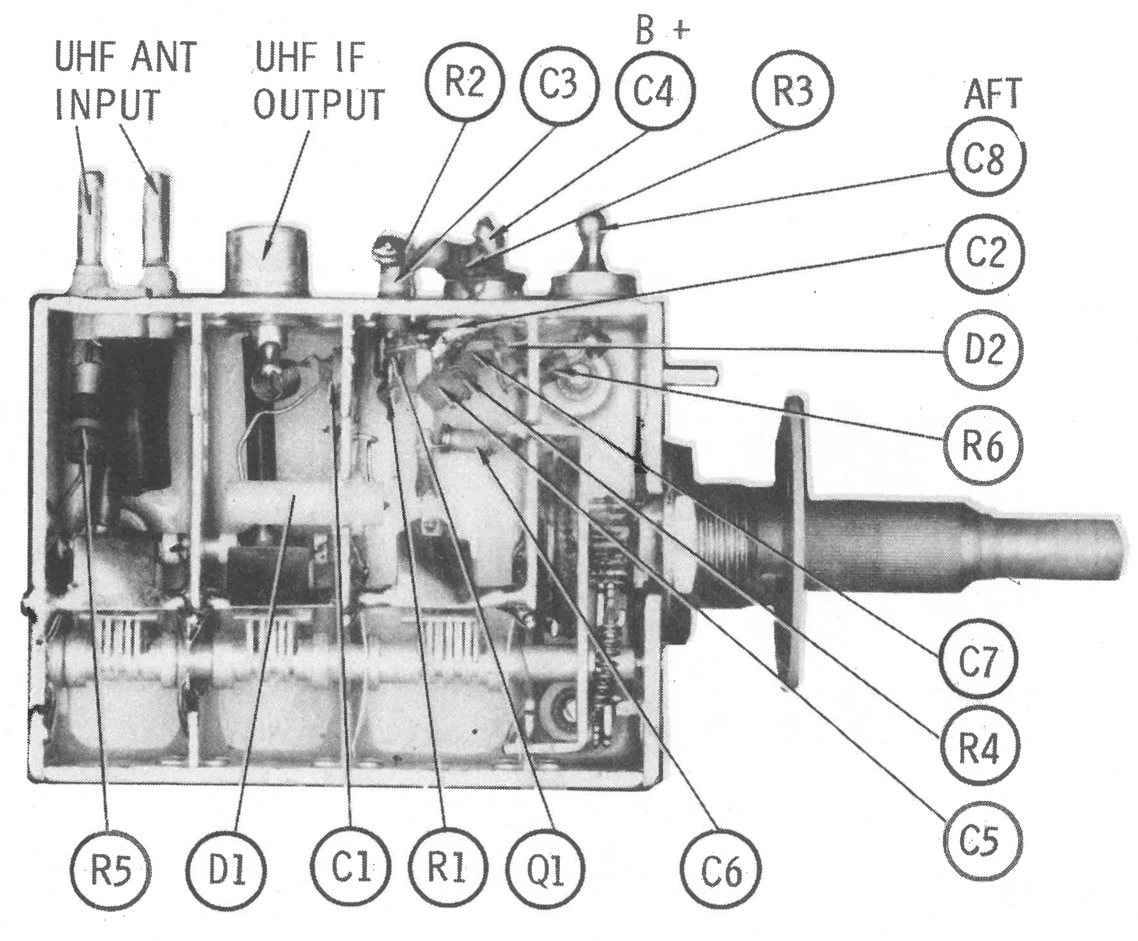
(8) Varactor.

CAPACITORS

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA ARCO/ELMENCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	27						
C2	10						
C3	.002						
C4	.001						
C5	.8						
C6	.5						
C7	6						
C8	.001						



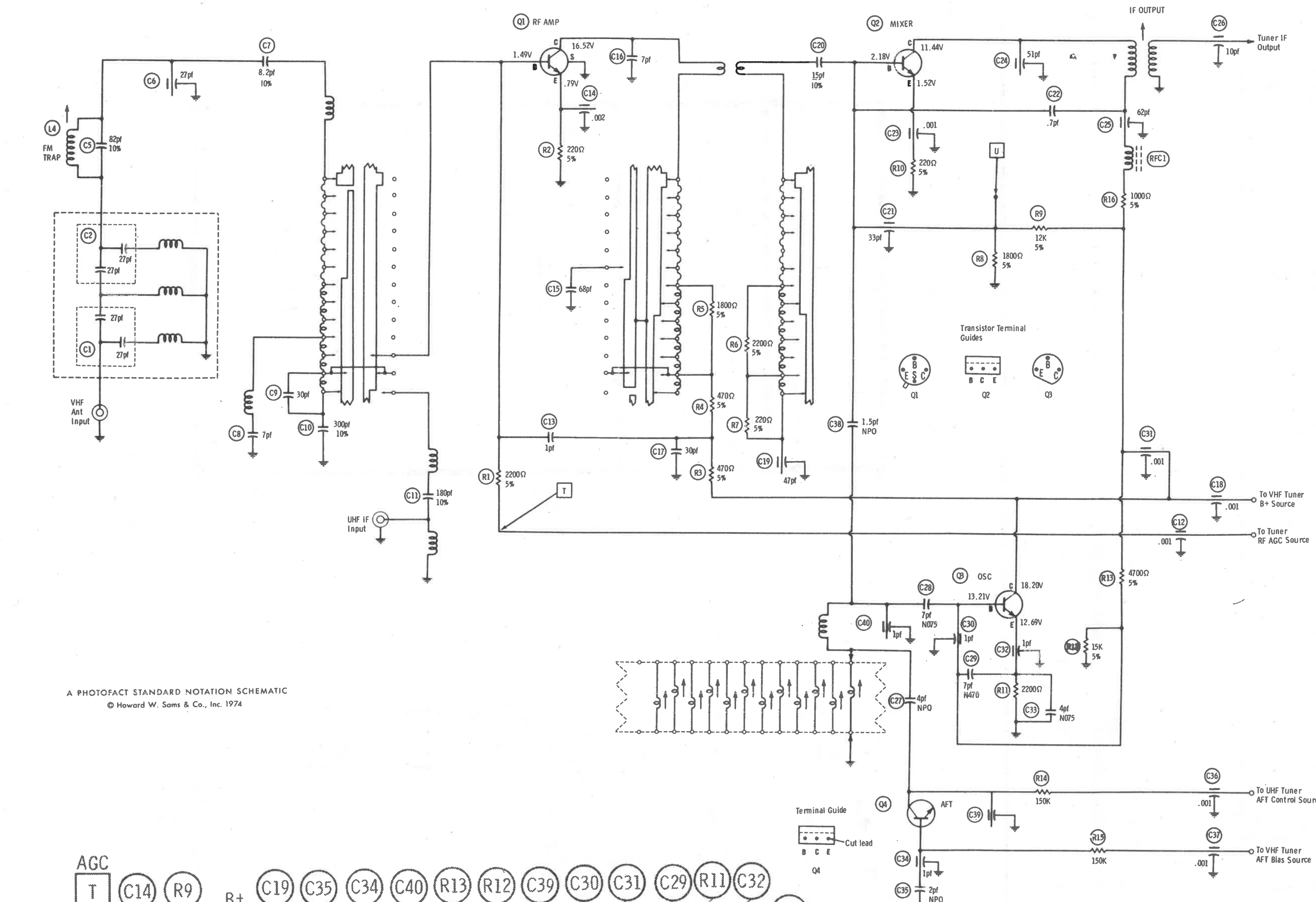
A PHOTOFACT STANDARD NOTATION SCHEMATIC
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UHF TUNER BT-104

SONY CHASSIS SCC-17A-C, SCC-17B-C

FOLDER 3



VHF TUNER ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools: GENERAL CEMENT
VHF Tuner IF Output .. GC ELECTRONICS: 9296, 9297, 9300

OSCILLATOR ADJUSTMENTS

The oscillator slug for each channel is preset with the fine tuning control. Adjust the fine tuning for best picture and sound.

RF AND MIXER ADJUSTMENTS

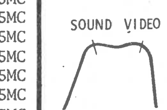
Connect the sweep generator across antenna terminals with 120-ohm carbon resistor in each lead. Refer to chart below for generator frequencies. Connect the synchronized sweep voltage from the sweep generator to the horizontal input of the scope for horizontal deflection. Use 10MC sweep unless otherwise noted. Connect a variable bias to the RF AGC line at Point T . Adjust bias to obtain response curve showing no overload.

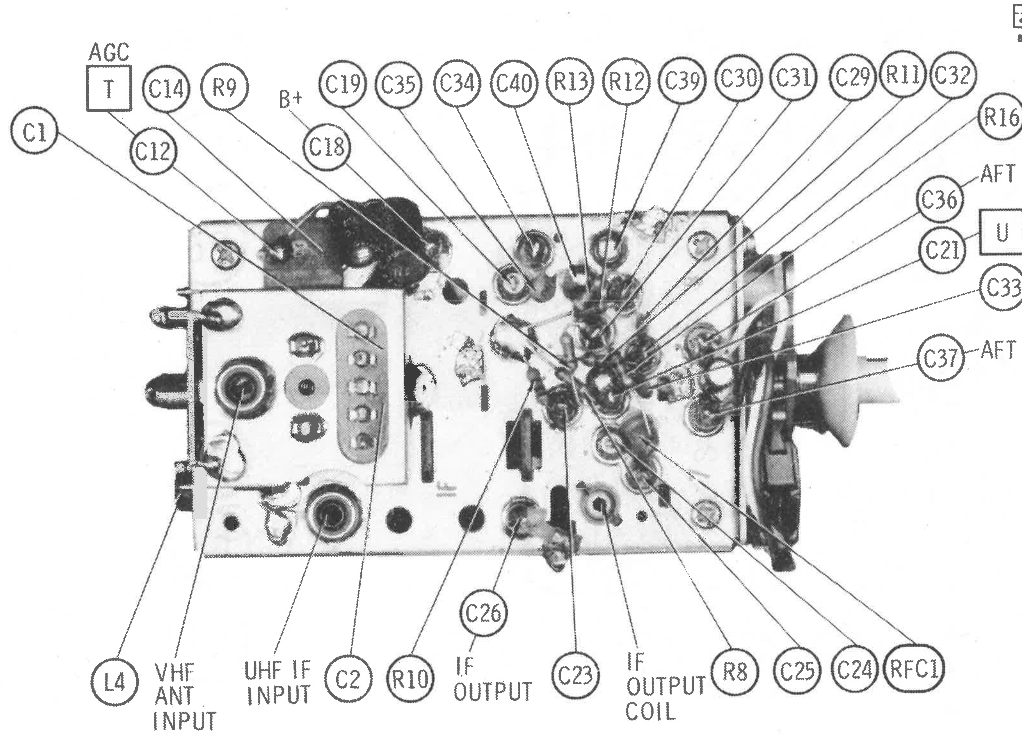
CHANNEL	CONNECT SCOPE	REMARKS
13	Vertical input to point U, low side to ground.	Expand or compress appropriate coils for maximum gain and symmetry of response similar to Fig. 201 with markers as shown.
12 thru 2	Vertical input to point U, low side to ground.	Check all channels and make compromise adjustments by expanding or compressing appropriate coils if necessary.

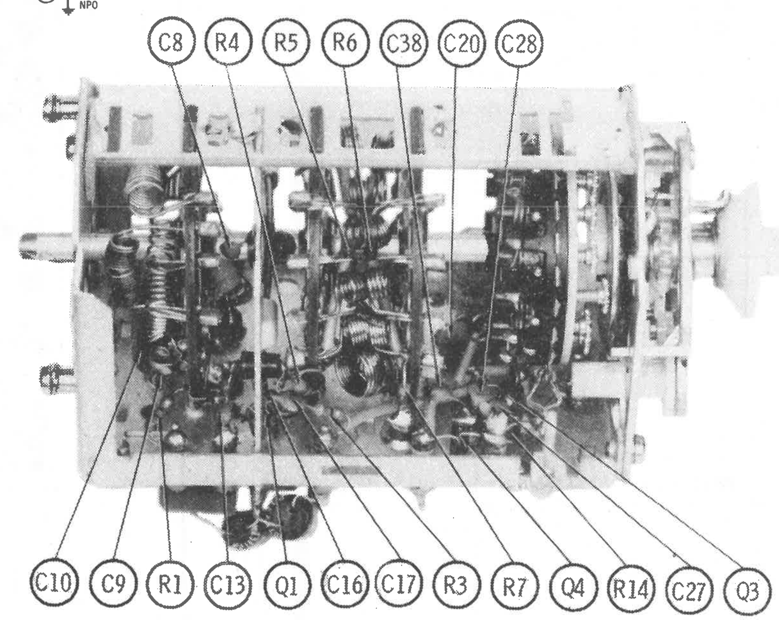
GENERATOR FREQUENCY
Numbers in () indicate channel number

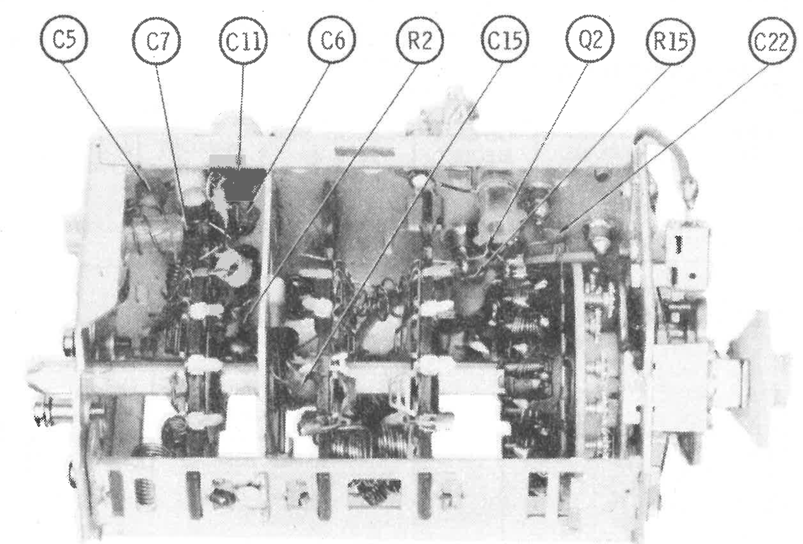
SWEEP	MARKER	SWEEP	MARKER	SWEEP	MARKER
(2) 57MC	55.25MC 59.75MC	(6) 85MC	83.25MC 87.75MC	(10) 195MC	193.25MC 197.75MC
(3) 63MC	61.25MC 65.75MC	(7) 177MC	175.25MC 179.75MC	(11) 201MC	199.25MC 203.75MC
(4) 69MC	67.25MC 71.75MC	(8) 183MC	181.25MC 185.75MC	(12) 207MC	205.25MC 209.75MC
(5) 79MC	77.25MC 81.75MC	(9) 189MC	187.25MC 191.75MC	(13) 213MC	211.25MC 215.75MC

FIG. 201









VHF TUNER BT-604WU

SONY CHASSIS SCC-17A-C, SCC-17B-C

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements. Have your local distributor check Sams COUNTER FACTS· for the most up-to-date replacement.

COILS (RF-IF) (cont)

ITEM No.	USE	REPLACEMENT DATA PART No.	MEISSNER PART No.	MILLER PART No.	REMARKS
L401	Peaking (68 uH)	1-407-167	19-7068	74F685AI	
L402	Peaking (68 uH)	1-407-167	19-7068	74F685AI	
L403	Peaking (150 uH)	1-407-171	19-2026	72F154AP	
L405	3.58 MC Trap	1-409-193			
L407	RF Choke (5.6 uH)	1-407-187	19-1008	74F566AP	
L408	RF Choke (5.6 uH)	1-407-187	19-1008	74F566AP	
L409	RF Choke (5.6 uH)	1-407-187	19-1008	74F566AP	
L501	Peaking (1.5 mH)	1-407-552		4664	
L502	Peaking (3.3 mH)	1-459-075		4668	
L503	Peaking (8.5 mH)	1-459-074		4671	
L505	Peaking (82 uH)	1-407-553	19-1015	74F825AI	
L801	RF Choke (3.3 uH)	1-407-364		74F336AP	
L802	RF Choke (6.8 uH)	1-407-556	19-2014	74F686AP	
L803	RF Choke (3.3 uH)	1-407-364-21		74F336AP	
L805	RF Choke (3.3 uH)	1-407-364		74F336AP	
T201	Video Input IF	1-403-733			
T202	41.25 MC Trap	1-409-213			
T203	1st Video IF	1-403-550			
T204	2nd Video IF	1-403-550			
T205	41.25 MC Trap	1-409-174			
T206	3rd Video IF	1-403-524			
T207	4.5 MC Trap	1-409-146			
T208	Sound Input IF	1-403-350			
T209	Ratio Det (Pri)	1-403-371			
T210	Ratio Det (Sec)	1-403-372			
T301	Chroma Take-off	1-425-670			
T302	1st Chroma Bandpass	1-425-619			
T303	2nd Chroma Bandpass	1-425-506			
T304	Burst Amp	1-405-372			
T305	3.58 MC Osc	1-425-618			
T601	Line Choke	1-421-302-21			

COILS (Sweep Circuits)

ITEM No.	FUNCTION	REPLACEMENT DATA MFGR. PART No.	MILLER PART No.	STANCOR PART No.	THORDARSON MEISSNER PART No.	TRIAD PART No.	WORKMAN PART No.
L903	Convergence Yoke	(1)					
L906	Beam Alignment Coil	(1-425-039)					

(1) Part of L901.

TRANSFORMERS (Sweep Circuits)

ITEM No.	USE	REPLACEMENT DATA MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	NOTES
L901	Yoke (Horiz 1.8 mH) 90° (Vert 250mh)	1-451-076 (53)				
T501	Horiz Driver	1-437-030				
T502	Horiz Output	1-439-097 (31)				
T503	Vert Blocking Oscillator	1-435-008				
T801	Flyback	(1-439-124-11)				

TRANSFORMER (Power)

ITEM No.	RATING PRI.	RATING SEC. 1	REPLACEMENT DATA MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	NOTES
T901	117VAC @ .020AAC	6.3VAC @ .440AAC	1-441-764 (441-764)				

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE PRI.	IMPEDANCE SEC.	REPLACEMENT DATA MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	NOTES
T902	2900	8	1-427-307				

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA MFGR. PART No.	QUAM PART No.	NOTES
SP1	3" x 5" PM 8 ohms	299-11	35A05Z8	

FUSE DEVICES

ITEM No.	DESCRIPTION	PART No. DEVICE	PART No. HOLDER	BUSS PART No. DEVICE	BUSS PART No. HOLDER	LITTELFUSE PART No. DEVICE	LITTELFUSE PART No. HOLDER	WORKMAN PART No. DEVICE
F601	Fuse 4A @ 125V, Quick Acting, Pigtail			GJV4		318004		
S902	Circuit Breaker Break: 1.25A	1-515-119-31						

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
	VHF Antenna	AN-14	
	UHF Tuner	1-463-070 (BT-104)	
	VHF Tuner	1-463-069 (BT-604WU)	
CR101	Component Combination		Antenna Isolation
CR102	Component Combination		Antenna Isolation
L406	Delay Line	1-415-042	
L904	Degaussing Coil	1-425-674	
L905	Degaussing Coil	1-425-674	
SG701	Spark Gap	1-519-063	
SG702	Spark Gap	1-519-063	
SG703	Spark Gap	1-519-063	
SG704	Spark Gap	1-519-063	
SG705	Spark Gap	1-519-063	
S3	Switch	AFT	AFT Defeat (Actuated By VHF Fine Tuning)
S4	Switch		Auto/AFT (Part Of AFT Board)
S101	Switch		UHF B+/AFT Defeat
X301	Crystal	1-527-154	3.58 MC
	Magnet	1-452-039 (-61)	Magnet Beam Alignment Assembly
	Printed Circuit Board	8-983-123-55	Vert & Horizontal Deflection (HV)
	Printed Circuit Board	8-983-153-35	Power Regulator (PR)
	Printed Circuit Board	8-983-123-75	Horizontal Output-Converter (HC)
	Printed Circuit Board	8-983-122-15	Signal & Chroma (SC) Used in Model KV-1201
	Printed Circuit Board	8-983-123-15	Signal & Chroma (SC) Used in Model KV-1212
	Printed Circuit Board	8-983-118-85	CRT Socket (T)
	Printed Circuit Board	8-983-118-45	Auto AFT (W)

CABINETS & CABINET PARTS (When ordering specify model, chassis & color)

ITEM	PART No.
Cabinet Assembly-Complete Model KV-1201	X-43050-04
Cabinet Assembly-Complete KV-1212	X-43051-03
Cabinet Rear Cover-Complete KV-1212	4-305-103
Mask Assembly KV-1201	X-43050-01
Mask Assembly KV-1212	X-43051-01
Knob - VHF Channel Selector	X-43050-05
Knob - VHF Fine Tuning	X-43044-06
Knob - UHF Tuning	X-43044-07
Knob - UHF Dial	X-43050-06

ITEM	PART No.
Knob - On/Off/Volume	X-43050-09
Knob - Picture	X-43050-10
Knob - Auto/AFT	4-305-035
Knob - Hue	X-43050-07
Knob - Color	X-43050-08
Knob - Brightness	X-43028-10
Knob - Vert Hold	X-43028-11
Handle	X-43029-04

WIRING DATA

High Voltage Lead .... Use BELDEN No. 8868 (25KV)
Shielded Hook-up Wire .... Use BELDEN No. 8885 (Single Conductor)
8738 (Two Conductor)
General-use Unshielded Hook-up Wire .... Use BELDEN No. 8530 (Solid) Available in 12 Colors
8524 (Stranded) Available in 12 Colors
300-Ohm Tuner Input Lead .... Use BELDEN No. 8225
300-Ohm Antenna Lead-in .... Use BELDEN No. 8275 (Foam Core) or 8285 (Foam Jacketed)
Antenna Rotor Cable .... Use BELDEN No. 8464 (Flat) or 8484 (Round) - 4 Conductor
8485 (Round) - 5 Conductor
8488 (Round) - 8 Conductor

PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements. Have your local distributor check Sams COUNTER FACTS· for the most up-to-date replacement.

PICTURE TUBE

ITEM No.	REPLACEMENT DATA MFGR. PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	SYLVANIA PART No.	NOTES
V1	330AB22				

SEMICONDUCTORS

ITEM No.	TYPE / MFGR. No./PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
D201	1T261	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D202	1T40	GE-300	D200	PTC214	HEPR0602	SK3100	RT218	ECG 177
D203	1T261	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D204	1T22	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D301	1T22	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D302	1T22	1N60 (7)	1N60 (7)	PTC206 (7)	HEP135 (7)	SK3088 (7)		ECG 109 (7)
D303	1T22							
D304	1T22	1N60 (7)	1N60 (7)	PTC206 (7)	HEP135 (7)	SK3088 (7)		ECG 109 (7)
D305	1T22							
D306	1T22	1N60 (7)	1N60 (7)	PTC206 (7)	HEP135 (7)	SK3088 (7)		ECG 109 (7)
D307	1T22							
D501	1T22	1N60 (7)	1N60 (7)	PTC206 (7)	HEP135 (7)	SK3088 (7)		ECG 109 (7)
D502	1T22							
D503	HFSD-1C	GE-511	D172	PTC216	HEPR3012	SK3130		ECG 506
D504	HFSD-1Z	GE-511	D172	PTC216	HEPR3012	SK3130		ECG 506
	SB-2	GE-511	D172	PTC216	HEPR3012	SK3130		ECG 506
D505	1T22A	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D506	1T22A	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D507	HFSD-1Z	GE-511	D172	PTC126	HEPR3012	SK3130		ECG 506
D508	HFSD-1Z	GE-511	D172	PTC216	HEPR3012	SK3130		ECG 506
	SB-2 (VO-9C)	GE-511	D172	PTC216	HEPR3012	SK3130		ECG 506
D509	1T40	GE-300	D200	PTC214	HEPR0602	SK3100	RT218	ECG 177
D510	1T22	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D601	SA-2 (VO-5E)	GE-504A	8D6 or 5A6D	PTC202	HEPR0054	SK3017A or	RT210 or	ECG 116 or
						SK3032	RT215	ECG 117
D603	MZ-12/MZ-11	GEZD-12	Z-1212	PTC507	HEPZ0415	SK3062	RT243	ECG 142
	12 V Zener							
D801	SB-2C	GE-511	D172	PTC216	HEPR3012	SK3130		ECG 506
D802	SB-2B	GE-511	D172	PTC216	HEPR3012	SK3130		ECG 506
D803	10D-05	GE-504A	8D4 or 5A4D	PTC201 or	HEPR0052	SK3030 or	RT213 or	ECG 116 or
				PTC202		SK3031	RT214	ECG 117
D804	1-453-041-00							
IC151	CX-089D							
IC201	CX-080A							
Q201	2SC1129	GE-61	TR-21	PTC121	HEP56	SK3018	RT112	ECG 161
Q202	2SC1129	GE-61	TR-21	PTC121	HEP56	SK3018	RT112	ECG 161
Q203	2SC1128	GE-20	TR-21	PTC121	HEP56	SK3018	RT112	ECG 161
Q204	2SA736	GE-67	TR-30	PTC103	HEP57	SK3118	RT126	ECG 129
	2SA677	GE-67	TR-30	PTC103	HEP57	SK3118	RT126	ECG 129
Q205	2SA736	GE-67	TR-30	PTC103	HEP57	SK3118	RT126	ECG 129
	2SA677	GE-67	TR-30	PTC103	HEP57	SK3118	RT126	ECG 129
Q206	2SC1364	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
	2SC633A	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
Q207	2SC1364	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
	2SC633A	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
Q208	2SC1364	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
	2SC633A	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
Q209	2SC1364	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
	2SC633A	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
Q210	2SC1364	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
	2SC633A	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
Q301	2SA736	GE-67	TR-30	PTC103	HEP57	SK3118	RT126	ECG 129
	2SA677	GE-67	TR-30	PTC103	HEP57	SK3118	RT126	ECG 129
Q302	2SC403C	GE-62	TR-21	PTC121	HEP723	SK3018	RT102	ECG 123A
Q303	2SC1364	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
	2SC633A	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
Q304	2SC1364	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
	2SC633A	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
Q305	2SC403C	GE-62	TR-21	PTC121	HEP723	SK3018	RT102	ECG 123A
Q306	2SC403C	GE-62	TR-21	PTC121	HEP723	SK3018	RT102	ECG 123A
Q307	2SC403B	GE-62	TR-21	PTC121	HEP729	SK3124	RT102	ECG 128
Q308	2SC403B	GE-62	TR-21	PTC121	HEP729	SK3124	RT102	ECG 128
Q309	2SC403C	GE-62	TR-21	PTC121	HEP723	SK3018	RT102	ECG 123A
Q401	2SC1364	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
	2SC633A	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
Q402	2SC1364	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
	2SC633A	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
Q403	2SA736	GE-67	TR-30	PTC103	HEP57	SK3118	RT126	ECG 129
	2SA677	GE-67	TR-30	PTC103	HEP57	SK3118	RT126	ECG 129
Q404	2SA736	GE-67	TR-30	PTC103	HEP57	SK3118	RT126	ECG 129
	2SA677	GE-67	TR-30	PTC103	HEP57	SK3118	RT126	ECG 129
Q405	2SA736	GE-67	TR-30	PTC103	HEP57	SK3118	RT126	ECG 129
	2SA677	GE-67	TR-30	PTC103	HEP57	SK3118	RT126	ECG 129
Q406	2SC1127	GE-27	TR-27	PTC117	HEPS3021	SK3104	RT111	ECG 190
Q407	2SC1127	GE-27	TR-27	PTC117	HEPS3021	SK3104	RT111	ECG 190
Q408	2SC1127	GE-27	TR-27	PTC117	HEPS3021	SK3104	RT111	ECG 190
Q409	2SC1364	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
	2SC633A	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
Q501	2SC1364	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
	2SC633A	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
Q502	2SC1364	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
	2SC633A	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
Q503	2SC1364	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
	2SC633A	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
Q504	2SC1127A	GE-27	TR-27	PTC117	HEP714	SK3014	RT111	ECG 171
Q505	2SC1124	GE-27	TR-27	PTC117	HEPS3021	SK3104	RT111	ECG 190
Q506	2SC1364	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
	2SC633A	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
Q507	2SC1364	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
	2SC633A	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
Q508	2SC926A	GE-18	TR-25	PTC143	HEP713	SK3024	RT114	ECG 154
Q509	2SC1124	GE-27	TR-27	PTC117	HEPS3021	SK3104	RT111	ECG 190
Q510	2SC1364	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
	2SC633A	GE-18	TR-21	PTC136	HEP736	SK3020	RT102	ECG 123A
Q601	2SC1124	GE-27	TR-27	PTC117	HEPS3021	SK3104	RT111	ECG 190
Q602	2SC926A	GE-18	TR-25	PTC143	HEP713	SK3024	RT114	ECG 154
Q801	2SC1034							
Q802	2SC867	GE-32	TR-23		HEP241	SK3021		ECG 124
	2SC1316							
Q901	2SC867	GE-32	TR-23		HEP241	SK3021		ECG 124
Q902	2SC867	GE-32	TR-23		HEP241	SK3021		ECG 124
Q903	2SC867	GE-32	TR-23		HEP241	SK3021		ECG 124

(7) Two required, select Matched pair.

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

Replacement parts shown may be superseded by the availability of newly introduced replacements.
Have your local distributor check Sams COUNTER FACTS* for the most up-to-date replacement.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA: MFGR. PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C101	10 25 V	1-121-398	RME-B-G-010	EP30-10	PC10-25	VTT10A25	EV-1322
C102	33 25 V	1-121-404	ME-4-G-035	EP30-25	PC30-25	MTV30CB25	EV-1325
C103	4.7 16 V NP						TVAN-1150
C227	33 10 V	1-121-402	ME-3-D-035	EP15-25	PC30-25	VTT33A10	EV-1125
C231	10 25 V	1-121-398	RME-B-G-010	EP30-10	PC10-25	VTT10A25	EV-1322
C233	33 16 V	1-121-403	ME-3-E-035	EP15-25	PC30-25	MTV30CB25	EV-1325
C234	33 10 V	1-121-402	ME-3-D-035	EP15-25	PC30-25	VTT33A10	EV-1125
C236	1 50 V	1-121-391	RME-A-J-001	EP50-2	PC1-50	MTV1CB50	EV-1615
C238	3.3 50 V	1-121-393	ME-2-J003	EP50-5	WBR5-50	TC30A	EV-1618
C239	33 16 V	1-121-403	ME-3-E-035	EP15-25	PC30-25	MTV30CB25	EV-1325
C246	33 16 V	1-121-403	ME-3-E-035	EP15-25	PC30-25	MTV30CB25	EV-1325
C251	1 50 V	1-121-391	RME-A-J-001	EP50-2	PC1-50	MTV1CB50	EV-1615
C257	1 50 V	1-121-391	RME-A-J-001	EP50-2	PC1-50	MTV1CB50	EV-1615
C260	100 25 V		RME-G-G-100	EA30-100	PC100-25	MTV100DB25	EV-1330
C265	3.3 50 V	1-121-393	ME-2-J-003	EP50-5	WBR5-50	TC30A	EV-1618
C272	10 16 V	1-121-469-11	RME-B-E-010	EP15-10	PC10-25	VTT10A25	EV-1222
	10 10 V		RME-A-D-010	EP15-10	PC10-25	VTT10A25	EV-1222
C301	470 25 V	1-121-733	RME-N-G-500	EA30-500	WBR500-25	TC2505C	EV-1350
C307	100 6.3 V	1-121-413	RME-E-B-100	EP6-100	PC100-10	MTV100CB6	EV-1030
C309	10 16 V		RME-B-E-010	EP15-10	PC10-25	VTT10A25	EV-1222
	10 10 V	1-121-469	RME-A-D-010	EP15-10	PC10-25	VTT10A25	EV-1222
C312	4.7 25 V	1-121-395-11	RME-A-G-005	EP30-5	PC5-50	VTT4R7A50	EV-1319
C320	10 16 V		RME-B-E-010	EP15-10	PC10-25	VTT10A25	EV-1222
	10 10 V	1-121-469	RME-A-D-010	EP15-10	PC10-25	VTT10A25	EV-1222
C333	4.7 25 V	1-121-395	RME-A-G-005	EP30-5	PC5-50	VTT4R7A50	EV-1319
C342	1 50 V	1-121-391	RME-A-J-001	EP50-2	PC1-50	MTV1CB50	EV-1615
C364	100 16 V	1-121-415	RME-E-E-100	EP15-100	PC100-16	MTV100CD15	EV-1230
C404	2.2 50 V	1-121-450	RME-A-J-002	EP50-2	PC2-100	VTT2R2A50	EV-1517
C405	.47 50 V	1-121-726	ME-1-J-001			TC31	EV-1611
C406	.47 50 V	1-121-726	ME-1-J-001			TC31	EV-1611
C407	1 50 V	1-121-391	RME-A-J-001	EP50-2	PC1-50	MTV1CB50	EV-1615
C411	1 160 V	1-121-189-11	ME-3-R-001		WBR1-500	TC595	TVA-1434
C504	1 50 V	1-121-391	RME-A-J-001	EP50-2	PC1-50	MTV1CB50	EV-1615
C506	4.7 25 V	1-121-395	RME-A-G-005	EP30-5	PC5-50	VTT4R7A50	EV-1319
C508	33 50 V	1-121-405	ME-7-J-035	EP50-50	WBR35-50	TC39A	EV-1525
C513	4.7 160 V	1-121-246	ME-6-R-005		WBR5-250	TC50XA	TVA-1438
C520	10 160 V	1-121-921-11	CTA-1310			TC52A	TVA-1441
C521	4.7 100 V	1-121-918	ME-3-M-005		WBR5-150	TC40A	TVA-1334
C522	33 160 V	1-123-024-11	CTA-1335		WBR40-250	TC58A	TVA-1441
C523	470 25 V	1-121-733	RME-N-G-500	EA30-500	WBR500-25	TC2505C	EV-1350
C524	4.7 50 V	1-121-396-11	RME-B-J-005	EP50-5	PC5-50	VTT4R7A50	EV-1519
C527	33 50 V	1-121-405	ME-7-J-035	EP50-50	WBR35-50	TC39A	EV-1525
C528	10 50 V	1-121-738	RME-D-J-010	EP50-10	PC10-50	MTV10CB50	EV-1622
C531	10 16 V	1-127-307				TDC106M025FL	SD20-109
C532	22 16 V	1-121-479	RME-D-E-025	EP15-25	PC25-25	MTV25CB35	EV-1325
C533	2.2 10 V	1-127-024				TDC225M020EL	SD20-2R79
C534	1 50 V	1-121-391	RME-A-J-001	EP50-2	PC1-50	MTV1CB50	EV-1615
C535	20 100 V	1-121-917	RME-7-M-020		WBR30-150	TC10200	TVA-1339
C537	47 16 V	1-121-409	RME-E-E-050	EP15-50	PC50-16	MTV50CB15	EV-1226
C538	2.2 50 V	1-121-450	RME-A-J-002	EP50-2	PC2-100	VTT2R2A50	EV-1517
C539	2.2 50 V	1-121-450	RME-A-J-002	EP50-2	PC2-100	VTT2R2A50	EV-1517
C540	330 6.3 V	1-121-751	ME-8-B-300	EA6-250	WBR300-35	MTA300G50	EV-1145
C604a	470 200 V	1-125-074					
b	10 200 V						
C701	.47 500 V	1-119-327			WBR1-500		TVA-1890

CAPACITORS

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA: ARCO/ELMENCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
CV201	5	1-141-138					
C151	4 50V ±.5				NP03P9		10TCC-V39
C153	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C154	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C155	3 50V ±.5						10TCC-V30
C156	75 NPO 5%		CCTO-750	DTZ-75	NP075	CN0475	10TCC-Q75
C157	82 NPO 5%		CCTO-820	DTZ-82	NP082	CN0482	10TCC-Q82
C158	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C159	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C160	.001 500V	1-102-043					
C201	4 50V/N220/±.25	1-102-882	*			*	10TCR-V39
C202	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C203	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C204	2 50V ±.25			DTZ-2R2	NP02P2	CN0522	10TCC-V22
C205	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C206	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C207	.0047 50V		CCD-472	DD-472G	GP4700	JF247	10TS-D47
C208	.0047 50V		CCD-472	DD-472G	GP4700	JF247	10TS-D47
C209	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C211	2 50V ±.25			DTZ-2R2	NP02P2	CN0522	10TCC-V22
C212	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C213	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C214	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C215	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C216	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C219	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C220	7 50V ±.5			DTZ-6R8	NP06P8	CN0568	10TCC-V68
C221	7 50V/N220 ±.5	1-102-662	*			*	10TCR-V68
C222	33 50V 5%		CCTO-330	DTZ-33	NP033	CN0433	10TCC-Q33
C223	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C224	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C225	10 50V 5%		CCTO-100	DTZ-10	NP010	CN0410	10TCC-Q10
C226	5 50V/N220/±.25	1-102-856	*			*	10TCR-V50
C228	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C229	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C230	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C232	470 50V		CCD-471	DD-471	GP470	GP347	10TS-T47
C235	470 50V		CCD-471	DD-471	GP470	GP347	10TS-T47
C237	.022 100V 10%		1DP-1-223		DPMS6S22	PVC1122	225P22391WD3
C240	3 50V ±.5						10TCC-V30
C241	3 50V ±.5						10TCC-V30
C242	10 50V 5%		CCTO-100	DTZ-10	NP010	CN0410	10TCC-Q10
C243	20 50V 5%		CCTO-200	DTZ-20	NP020	CN0420	10TCC-Q20

CAPACITORS (cont)

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA: ARCO/ELMENCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C244	5				NP05		10TCC-V50
C247	.0047 50V		CCD-472	DD-472G	GP4700	JF247	10TS-D47
C248	.01 50V		CCD-103	CK-103	MGP01	TA110	TG-S10
C249	.01 50V		CCD-103	CK-103	MGP01	TA110	TG-S10
C250	.0068 100V 10%		1DP-1-682	CPR-6800J			1PB-D68
C263	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C264	100 50V 5%		CCTO-101	DTZ-100	NP0100	CN0310	10TCC-T10
C266	5 50V ±.5				NP05		10TCC-V50
V268	3 N220		*			*	10TCR-V30
C269	470 50V		CCD-471	DD-471	GP470	GP347	10TS-T47
C271	.0047 100V		6DP-1-472		DMS6D47	PVC6247	6PS-D47
C303	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C304	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C305	4 50V						
C306	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C308	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C310	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C311	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C313	.0022 50V		CCD-222	DD-222	GP2200	GP222	10TS-D22
C314	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C316	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C318	10 50V 5%		CCTO-100	DTZ-10	NP010	CN0410	10TCC-Q10
C319	82 50V/N220 5%		*			*	10TCR-Q82
C321	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C322	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C323	150 50V/N220 5%	1-102-888	*			*	10TCR-T15
C324	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C325	27 50V 5%		CCTO-270		NP027	CN0427	10TCC-Q27
C326	27 50V 5%		CCTO-270		NP027	CN0427	10TCC-Q27
C327	22 50V 5%		CCD-220	DD-220	NP022	GP422	10TS-Q22
C328	820 50V 10%		CCD-821	DD-821	GP820	GP382	10TS-T82
C329	27 50V 5%		CCTO-270		NP027	CN0427	10TCC-Q27
C330	4 50V ±.5			DTZ-3R3	NP03P3	CN0533	10TCC-V33
C331	120 50V 5%		CCD-121	DD-121	GP121	GP312	10TS-T12
C332	.047 50V 10%		CCD-503	CK-503	MGP05	TA150	TG-S50
C334	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C335	5 50V ±.5				NP05		10TCC-V50
C336	10 N220	1-102-858	*			*	10TCR-Q10
C337	120 50V 5%		CCD-121	DD-121	GP121	GP312	10TS-T12
C338	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C339	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C341	68 50V 5%			DTZ-68		CN0468	10TCC-Q68
C343	22 50V 5%		CCD-220	DD-220	NP022	GP422	10TS-Q22
C345	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C346	47 50V 5%		CCTO-470	DTZ-47	NP047	CN0447	10TCC-Q47
C347	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C348	.39 50V 5%					CN0439	10TCC-Q39
C350	82 N750 5%		CCTN-820		N82	CN7482	10TCU-Q82
C351	22 50V 5%		CCD-220	DD2220	NP022	GP422	10TS-Q22
C352	27 50V 5%		CCTO-270		NP027	CN0427	10TCC-Q27
C353	22 50V 5%		CCD-220	DD-220	NP022	GP422	10TS-Q22
C354	27 50V 5%		CCTO-270		NP027	CN0427	10TCC-Q27
C355	22 50V 5%		CCD-220	DD-220	NP022	GP422	10TS-Q22
C356	18 50V 5%		CCTO-180		NP018	CN0418	10TCC-Q18
C357	27 50V 5%		CCTO-270		NP027	CN0427	10TCC-Q27
C358	18 50V 5%		CCTO-180		NP018	CN0418	10TCC-Q18
C359	27 50V 5%		CCTO-270		NP027	CN0427	10TCC-Q27
C360	22 50V 5%		CCD-220	DD-220	NP022	GP422	10TS-Q22
C361	100 50V 5%		CCD-101	DD-101	GP100	GP310	10TS-T10
C362	.0022		CCD-222	DD-222	GP2200	GP222	10TS-D22
C363	470 50V		CCD-471	DD-471	GP470	GP347	10TS-T47
C401	220 50V 5%		CCD-221	DD-221	GP220	GP322	10TS-T22
C402	10 N220 5%	1-102-858	*			*	10TCR-Q19
C403	10 N220 5%	1-102-858	*			*	10TCR-Q19
C408	680 50V		CCD-681	DD-681	GP680	GP368	10TS-T68
C409	680 50V		CCD-681	DD-681	GP680	GP368	10TS-T68
C410	680 50V		CCD-681	DD-681	GP680	GP368	10TS-T68
C413	.01 200V 10%		4DP-1-103	CPR-10000J	DPMS6S1	PVC211	2TM-S10
C414	7 50V ±.5			DTZ-6R8	NP06P8	CN0568	10TCC-V68
C501	10 50V 5%		CCTO-100	DTZ-10	NP010	CN0410	10TCC-Q10
C502	.033 100V 10%		4DP-2-333		DPMS6S33	PVC6133	4PS-S33
C503	.033 100V 10%		4DP-2-333		DPMS6S33	PVC6133	4PS-S33
C505	.047 100V 10%		1DP-2-473		DPMS6S47	PVC1147	225P47391WD3
C507	.1 100V 10%		1DP-2-104		DPMS2P1	PVC101	225P10491WD3
C509	.047 100V 5%		1DP-2-473		DPMS6S47	PVC1147	225P47391WD3
C510	.0047 100V 5%		6DP-1-472		DMS6D47	PVC6247	6PS-D47
C511	.0033 100V 5%		6DP-1-332		DMF6D33	PVC6233	6PS-D33
C512	.1 100V 10%		1DP-2-104		DPMS2P1	PVC101	225P10491WD3
C514	.001 500V		CCD-102	DD-102	GP1000	GP210	10TS-D10
C515	.047 100V 10%		1DP-2-473		DPMS6S47	PVC1147	225P47391WD3
C517	680 1KV		CCD-681	DD-681	GP680	GP368	10TS-T68
C518	.22 100V 10%		4DP-5-224		DPMS4P22	PVC4022	4PS-P22
C519	.68 200V 10%	1-108-549-11					2PB-P68
C525	100 500V 5%		CCTO-101	DTZ-100	NP0100	CN0310	10TCC-T10
C526	.047 100V 10%		1DP-2-473		DPMS6S47	PVC1147	225P47391WD3
C529	.01 100V 10%		1DP-1-103	CPR-10000J	DPMS6S1	PVC211	225P10391WD3
C530	.01 100V 10%		1DP-1-103	CPR-10000J	DPMS6S1	PVC211	225P10391WD3
C536	.047 50V		CCD-503	CK-503	MGP05	TA150	TG-S50
C541	680 500V 10%		CCD-681	DD-681	GP680	GP368	10TS-T68
C542	.0068 200V 10%	1-105-751-51		CPR-6800J			2PB-D68
C545	100 50V 5%		CCTO-101	DTZ-100	NP0100	CN0310	10TCC-T10
C546	100 50V 5%		CCTO-101	DTZ-100	NP0100	CN0310	10TCC-T10
C548	100 2KV		3CCD-101	DD30-101	HV3-100	6HV310	30GA-T10
C549	100 500V 5%		CCTO-101	DTZ-100	NP0100	CN0310	10TCC-T10
C550	100 50V 5%		CCTO-101	DTZ-100	NP0100	CN0310	10TCC-T10
C552	.01 50V		CCD-103	CK-103	MGP01	TA110	TG-S10
C553	.001 500V		CCD-102	DD-102	GP1000	GP210	10TS-D10
C554	330 50V 5%		CCD-331	DD-331	GP330	GP333	10TS-T33
C555	330 50V 5%		CCD-331	DD-331	GP330	GP333	10TS-T33
C601	.1 450VAC	1-115-101					
C607	40 500V 5%		CCD-390	DD-390		GP439	10TS-Q39
C608	.01 500V		CCD-103	DD-103	GP10000	JF110	10TS-S10
C609	.0047 1.4KV	1-102-189		DD30-472			30GA-D47
C702	.01		CCD-103	DD-103	GP10000	JF110	10TS-S10
C801	.012 1KV 5%	1-129-777			DPM20S12		
C802	.0075 1.5KV 5%	1-129-859					
C804	330 2KV		3CCD-331	DD30-331	HV6-330	3HV333	30GA-T33
C805	680 1KV		CCD-681	DD-681	GP680	GP368	10TS-T68
C806	.001		CCD-102	DD-102	GP1000	GP210	10TS-D10
C809	.001		CCD-102	DD-102	GP1000	GP210	10TS-D10
C810	100 2KV		3CCD-101	DD30-101	HV3-100	6HV310	30GA-T10
C811	330		CCD-331	DD-331	GP330	GP333	10TS-T33
C902	47 1KV 10%		CCD-470	DD-470	NP047	GP447	10TS-Q47
C904	560		CCD-561	DD-561	GP560	GP356	10TS-T56
C905	.015 600V						

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.

CONTROLS (All wattages 1/2 watt, or less, unless listed)

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA: MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS—IRC PART No.	MALLORY PART No.
VR201	Tuner AGC	470	1-222-516	TSV-500 (1) or T-500 (1)	C-501 (1)	X201R501B (1)	MTC52L1 (1)
VR202	Sound Reject	330	1-222-515	T-300 (1)		X201R351B (1)	MTC32L1 (1)
VR203	IF AGC	1000	1-222-517	TSV-1K (1) or T-1000 (1)	C-102 (1)	X201R102B (1)	MTC13L1 (1)
VR301	ACC	1000	1-222-517	TSV-1K (1) or T-1000 (1)	C-102 (1)	X201R102B (1)	MTC13L1 (1)
VR302	Hue (Sub)	4700	1-222-518	TSV-5K (1) or T-5000 (1)	C-502 (1)	X201R502B (1)	MTC53L1 (1)
VR401	Blue Drive	330	1-222-515	T-300 (1)		X201R351B (1)	MTC32L1 (1)
VR402	Blue Background	5000	1-222-344	TSV-5K or T-5000	C-502	X201R502B	MTC53L1
VR403	Red Drive	330	1-222-515	T-300 (1)		X201R351B (1)	MTC32L1 (1)
VR404	Red Background	5000	1-222-344	TSV-5K or T-5000	C-502	X201R502B	MTC53L1
VR405	Green Drive	330	1-222-515	T-300 (1)		X201R351B (1)	MTC32L1 (1)
VR406	Green Background	5000	1-222-344	TSV-5K or T-5000	C-502	X201R502B	MTC53L1
VR501	Horiz Frequency	20K	1-222-725	T-20K or TSV-25K	C-253	X201R253B	MTC24L1
VR502	Tilt	50 2W	1-223-017	WT-50, WSK-104		P115R500A, P115-117-2	MR50T,MRS1250
VR503	Horiz Centering	50 2W	1-223-017	WT-50, WSK-104		P115R500A, P115-117-2	MR50T,MRS1250
VR504	Pincushion	20K	1-222-725	T-20K or TSV-25K	C-253	X201R253B	MTC24L1
VR505	Horiz Size	5000	1-222-344	TSV-5K or T-5000	C-502	X201R502B	MTC53L1
VR506	Vert Size	10K	1-222-512	TSV-10K or T-10K	C-103	X201R103B	MTC14L1
VR507	Vert Linearity	10K	1-222-512	TSV-10K or T-10K	C-103	X201R103B	MTC14L1
VR508	Vert Bias	3300	1-222-784	TSV-2.5K (1) or T-2500 (1)	C-252 (1)	X201R302B (1)	MTC33L1 (1)
VR601	130V B+	3300	1-222-784	TSV-2.5K (1) or T-2500 (1)	C-252 (1)	X201R302B (1)	MTC33L1 (1)
VR701	Screen	500K	1-222-809	TSV-500K (1) or T-500K (1)	C-504 (1)	X201R504B (1)	MTC55L1 (1)
VR801	Horiz Static	500K	1-222-509				
VR901a	Picture	1000	1-222-383				
b	Color Tracking	1000					
VR902	Vert Hold	20K	1-222-388				
VR903	Volume/Switch	50K	1-222-514				
VR904	Brightness	20K	1-222-388				
VR905	Hue	3000	1-222-387				
VR906	Color	500	1-222-386				

(1) For horizontal mounting, bend the two outside terminals to fit PC board. Use jumper to connect center terminal to PC board.

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA: WORKMAN PART No.	MFGR. PART No.
PR901	Thermistor 170 (Cold)		1-800-065
R202	4.7 5% 1/2W Carbon		1-244-617
R268	120 5% 2W Film		
R274	4.7 5% 1/2W Carbon		1-244-617
R417	10K 5% 1W Film		1-206-104
R421	10K 5% 1W Film		1-206-104
R425	10K 5% 1W Film		1-206-104
R524	10 .25A Fusible		1-207-903-13
R527	33K 5% 1W Film		1-206-110
R549	4.7 5% 1W Film		1-207-471
R552	33K 5% 1W Film		1-202-794
R601	1800 5% 5W Film		
R602	2.2 10W		1-205-807-11
R603	18K 5% 2W Film		1-206-694
R606	27K 1/2W Film		1-206-109-11

ITEM No.	RATING	REPLACEMENT DATA: WORKMAN PART No.	MFGR. PART No.
R610	33K 5% 1W Film		1-206-110
R802a	31.7meg		1-206-915-21
b	1.9meg		
R803	2.7 5% 3W Film		1-206-918-11
R804	22 5% 3W Film		1-206-929-11
R806	1 5% 3W Film		1-217-007
R901	180 20W WW		1-205-808-11
R902	5.6 2W WW		1-205-495-11
SR501	VDR*		1-800-034
SR901	VDR*		1-800-032
TH201	Thermistor 340 (Cold)		1-800-071
TH502	Thermistor 1400 (Cold)		1-800-069
TH601	Thermistor 4700 (Cold)		1-800-070

*Voltage Dependent Resistor.

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA: PART No.	MEISSNER PART No.	MILLER PART No.	REMARKS
L153	RF Choke (3.3 uH)	1-407-184	19-1003	74F336AP	
L154	AFT Disc (Sec)	1-403-731			
L155	AFT Disc (Pri)	1-403-732			
L201	47.25 MC Trap	1-409-219			
L202	39.75 MC Trap	1-409-220			
L203	RF Choke (3.3 uH)	1-407-184	19-1003	74F336AP	
L204	RF Choke (3.3 uH)	1-407-184	19-1003	74F336AP	
L205	RF Choke (3.3 uH)	1-407-184	19-1003	74F336AP	
L206	RF Choke (3.3 uH)	1-407-184	19-1003	74F336AP	
L207	Detector	1-425-504			
L209	RF Choke (12 uH)	1-407-158	19-1010	72F125AP	
L210	RF Choke (12 uH)	1-407-158	19-1010	72F125AP	
L211	Peaking (100 uH)	1-407-169	19-3100	4632	
L213	RF Choke (8.2 uH)	1-407-189	19-1009	74F826AP	
L301	RF Choke (12 uH)	1-407-158	19-1010	72F125AP	
L302	Peaking (470 uH)	1-407-177	19-3500	72F474AP	
L303	Peaking (8.2 mH)	1-407-205		4671	
L304	Peaking (120 uH)	1-407-170	19-3125	72F124AP	
L305	RF Choke (27 uH)	1-407-162	19-2019	74F275AI	
L306	Peaking (470 uH)	1-407-177	19-3500	72F474AP	
L307	Peaking (470 uH)	1-407-177	19-3500	72F474AP	
L308	Peaking (56 uH)	1-407-166	19-2021	72F565AP	